

<b>Course Code: BHSA107C/207C</b>	<b>INDIAN CONSTITUTION</b>	<b>Credit :</b>	<b>01</b>
<b>Hours/Week (L:T:P) : 1:0:0:0</b>		<b>CIE Marks :</b>	<b>50</b>
<b>Total Hours of Pedagogy (Theory) : 15hours</b>		<b>SEE Marks :</b>	<b>50</b>
<b>Course Type: Theory</b>			
<p><b>Course Objectives: The course INDIANCONSTITUTION will enable the students,</b></p> <ul style="list-style-type: none"> <li>i. To know about the basic structure of Indian Constitution.</li> <li>ii. To know the Fundamental Rights (FR's), DPSP's and Fundamental Duties (FD's).</li> <li>iii. To know about our Union Government, political structure , codes &amp;procedures.</li> <li>iv. To know the State Executive &amp;Elections system of India.</li> <li>v. To learn the Amendments and Emergency Provisions, other important provisions given by the constitution.</li> </ul>			
<b>Module-1</b>			<b>3 Hrs.</b>
Indian Constitution: Necessity of the Constitution, Societies before and after the Constitution adoption. Introduction to the Indian constitution, Making of the Constitution, Role of the Constituent Assembly.			
<b>Module-2</b>			<b>3 Hrs.</b>
Salient features of India Constitution. Preamble of Indian Constitution &Key concepts of the Preamble. Fundamental Rights (FR's) and its Restriction and limitations in different Complex Situations.			
<b>Module-3</b>			<b>3 Hrs.</b>
Directive Principles of State Policy (DPSP's) and its present relevance in Indian society. Fundamental Duties and its Scope and significance in National building, Union Executive – President, Prime Minister, Union Cabinet.			
<b>Module-4</b>			<b>3 Hrs.</b>
Parliamentary System: Parliament: Lok Sabha and Raj Sasbha, Parliamentary Committees, Important Parliamentary Terminologies. Judicial System of India: Supreme Court of India , Judicial Reviews and Judicial Activism.			
<b>Module-5</b>			<b>3 Hrs.</b>
State Executive : Governer, ChiefMinister, State Cabinet, Legislature:Vidhan Sabha &Vidhan Parishath, Judicisary:High court- Composition, powers and functions Election Commission, Elections &Electoral Process. Amendment to Constitution and Important Constitutional Amendment still today. Emergency Provisions.			





<b>Course Code: BHSA106C/206C</b>	<b>Communicative English</b>	<b>Credits :</b>	<b>1</b>
<b>Hours/Week (L:T:P:S) : 1:0:0:0</b>		<b>CIE Marks :</b>	<b>50</b>
<b>Total Hours of Pedagogy (Theory ): 15hours</b>		<b>SEE Marks :</b>	<b>50</b>
<b>Course Type: Theory/Practical/Integrated: Theory</b>			
<b>Course objectives:</b> The course Communicative English will enable the students,			
<ul style="list-style-type: none"> <li>To know about Fundamentals of Communicative English and Communication Skills in general.</li> <li>To train to identify the nuances of phonetics, intonation and enhance pronunciation skills for better Communication skills.</li> <li>To impart basic English grammar and essentials of important language skills.</li> <li>To enhance with English vocabulary and language proficiency for better communication skills.</li> <li>To learn about Techniques of Information Transfer through presentation.</li> </ul>			
<b>Module-1</b>			<b>_3_ Hrs.</b>
<b>Introduction to Communicative English:</b> Communicative English, Fundamentals of Communicative English, Process of Communication, Barriers to Effective Communicative English, Different styles and levels in Communicative English. Interpersonal and Intrapersonal Communication Skills.			
<b>Module-2</b>			<b>_3_ Hrs.</b>
<b>Introduction to Phonetics:</b> Phonetic Transcription, English Pronunciation, Pronunciation Guidelines to consonants and vowels, Sounds Mispronounced, Silent and Non silent Letters, Syllables and Structure. Word Accent, Stress Shift and Intonation, Spelling Rules and Words often Miss spelt. Common Errors in Pronunciation.			
<b>Module-3</b>			<b>_3_ Hrs.</b>
<b>Basic English Communicative Grammar and Vocabulary PART-I:</b> Grammar: Basic English Grammar and Parts of Speech, Articles and Preposition. Question Tags, One Word Substitutes, Strong and Weak forms of words, Introduction to Vocabulary, All Types of Vocabulary – Exercises on it.			
<b>Module-4</b>			<b>_3_ Hrs.</b>
<b>Basic English Communicative Grammar and Vocabulary PART-II:</b> Words formation- Prefixes and Suffixes, Contractions and Abbreviations. Word Pairs (Minimal Pairs)–Exercises, Tense and Types oftenses, The Sequence of Tenses (Rules in use of Tenses) and Exercises on it.			



able to:																		
1	Apply the Fundamentals of Communication in their communication skills.	-	-	-	-	-	-	-	-	-	3	-	-	-	-			
2	Identify the nuances of phonetics, intonation and enhance pronunciation skills.	-	-	-	-	-	-	-	-	-	3	-	-	-	-			
3	Practice Basic English grammar skills and utilize essential language skills as per requirement	-	-	-	-	-	-	-	-	-	3	-	-	-	-			
4	Build and use all types of English vocabulary and language proficiency.	-	-	-	-	-	-	-	-	-	3	-	-	-	-			
5	Solve the hindrances faced by (MTI) - Mother Tongue Influence.	-	-	-	-	-	-	-	-	-	-	-	3	-	-			

Course Code: BHSB106C/206C	<b>Professional Writing Skills in English</b>	<b>Credits:</b> 1
<b>Hours/Week (L:T:P) : 1:0:0:0</b>		<b>CIE Marks:</b> 50
<b>Total Hours of Pedagogy (Theory + Lab): 15 hours</b>		<b>SEE Marks:</b> 50
<b>Course Type: Theory/ Practical /Integrated: Theory</b>		

<b>Course Objectives:</b> The course Professional Writing Skills in English will enable the students, To Identify the Common Errors in Writing and Speaking of English. To Achieve better technical writing and Presentation skills for employment. i. To read technical proposals properly and make them to write good technical reports. 7. To Acquire Employment and Workplace communication skills. To learn about Techniques of Information Transfer through presentation in different level.	
<b>Module-1</b>	<b>_3_ Hrs.</b>
<b>Identifying Common Errors in Writing and Speaking English:</b> Common errors identification in parts of speech, Use of verbs and phrasal verbs, Auxiliary verbs and their forms, Subject Verb Agreement (Concord Rules), Common errors in Subject-verb agreement, Sequence of Tenses and errors identification in Tenses. Words Confused/Misused.	
<b>Module-2</b>	<b>_3 Hrs.</b>
<b>Nature and Style of sensible writing: Organizing</b> Principles of Paragraphs in Documents, Writing Introduction and Conclusion, Importance of Proper Punctuation, Precise writing and Techniques in Essay writing, Sentence arrangements and Corrections activities. Misplaced modifiers, Contractions, Collocations, Word Order, Errors due to the Confusion of words.	
<b>Module-3</b>	<b>_3_ Hrs.</b>
<b>Technical Reading and Writing Practices:</b> Technical writing process, Introduction to Technical Reports writing, Significance of Reports, Types of Reports. Introduction to Technical Proposals Writing, Types of Technical Proposals, Characteristics of Technical Proposals. Scientific Writing Process. Grammar – Voices and Reported Speech, Spotting Error & Sentence Improvement, Cloze Test and Theme Detection Exercises.	
<b>Module-4</b>	<b>_3_ Hrs.</b>
<b>Professional Communication for Employment:</b> Listening Comprehension, Types of Listening, Listening Barriers, Improving Listening Skills. Reading Comprehension, Tips for effective reading. Job Applications, Types of official/employment/business Letters, Resume vs. Bio Data, Profile, CV. Writing effective resume for employment, Emails, Blog Writing and Memos.	
<b>Module-5</b>	<b>_3Hrs.</b>
<b>Professional Communication at Workplace:</b> Group Discussion and Professional Interviews, Characteristics and Strategies of a GD and Pl's, Intra and Interpersonal Communication Skills at workplace, Non-Verbal Communication Skills and it's importance in GD and Interview. Presentation skills and Formal Presentations by Students, Strategies of Presentation Skills.	





<b>Course Code : BHSC107C/ 207C</b>	<b>Balake Kannada</b>	<b>Credit:</b>	<b>01</b>
<b>Hours/Week: (L-T-P:S)1:0:0:0</b>		<b>CIE Marks:</b>	<b>50</b>
<b>Total Hours of Pedagogy (Theory) : 15 Hours</b>		<b>SEE Marks:</b>	<b>50</b>

Course objectives :	
1.	To Create the awareness regarding the necessity of learning local language for comfortable and healthy life.
2.	To enable learners to Listen and understand the Kannada language properly.
3.	To speak, read and write Kannada language as per requirement.
4.	To train the learners for correct and polite conversation.
5.	To know about Karnataka state and its language, literature and General information about this state.

Module-I		3Hrs
1.	Introduction, Necessity of learning a local language. Methods to learn the Kannada language.	
2.	Easy learning of a Kannada Language: A few tips. Hints for correct and polite conversation, Listening and Speaking Activities, Key to Transcription	
3.	ವೈಯಕ್ತಿಕ ಸ್ವಾಮ್ಯಸೂಚಕ/ ಸಂಬಂಧಿತ ಸರ್ವನಾಮಗಳು ಮತ್ತು ಪ್ರಶ್ನಾರ್ಥಕ ಪದಗಳು - Personal Pronouns, Possessive Forms, Interrogative words	
Module-II		3Hrs
1.	ನಾಮಪದಗಳ ಸಂಬಂಧಾರ್ಥಕ ರೂಪಗಳು, ಸಂದೇಹಾಸ್ಪದ ಪ್ರಶ್ನೆಗಳು ಮತ್ತು ಸಂಬಂಧವಾಚಕ ನಾಮಪದಗಳು- ನಾಮಪದಗಳು- Possessive forms of nouns, dubitive question and Relative nouns	
2.	ಗುಣ, ಪರಿಣಾಮ ಮತ್ತು ವರ್ಣಬಣ್ಣ ವಿಶೇಷಣಗಳು, ಸಂಖ್ಯಾವಾಚಕಗಳು- Qualitative, Quantitative and Colour Adjectives, Numerals	
3.	ಕಾರಕ ರೂಪಗಳು ಮತ್ತು ವಿಭಕ್ತಿ ಪ್ರತ್ಯಯಗಳು -ಸಪ್ತಮಿ ವಿಭಕ್ತಿ ಪ್ರತ್ಯಯ- (ಆ, ಅದು, ಅವು, ಅಲ್ಲಿ)- Predictive Forms, Locative Case	
Module-III		3Hrs
1.	ಚತುರ್ಥಿ ವಿಭಕ್ತಿ ಪ್ರತ್ಯಯದ ಬಳಕೆ ಮತ್ತು ಸಂಖ್ಯಾವಾಚಕಗಳು-Dative Cases, and Numerals	
2.	ಸಂಖ್ಯಾಗುಣವಾಚಕಗಳು ಮತ್ತು ಬಹುವಚನ ನಾಮರೂಪಗಳು - Ordinal numerals and Plural markers	
3.	ನ್ಯೂನ/ನಿಷೇಧಾರ್ಥಕ ಕ್ರಿಯಾಪದಗಳು ಮತ್ತು ವರ್ಣ ಗುಣವಾಚಕಗಳು-Defective/Negative Verbs & Colour Adjectives	
Module-IV		3Hrs
1.	ಅಪ್ಪಣೆ/ ಒಪ್ಪಿಗೆ, ನಿರ್ದೇಶನ, ಪ್ರೋತ್ಸಾಹ ಮತ್ತು ಒತ್ತಾಯ ಆರ್ಥರೂಪ ಪದಗಳು ಮತ್ತು ವಾಕ್ಯಗಳು Permission, Commands, encouraging and Urging words (Imperative words and sentences)	

2.	ಸಾಮಾನ್ಯ ಸಂಭಾಷಣೆಗಳಲ್ಲಿ ದ್ವಿತೀಯ ವಿಭಕ್ತಿ ಪ್ರತ್ಯಯಗಳು ಮತ್ತು ಸಂಭವನೀಯ ಪ್ರಕಾರಗಳು Accusative Cases and Potential Forms used in General Communication
3.	'ಇರು ಮತ್ತು ಇರಲ್ಲ' ಸಹಾಯಕ ಕ್ರಿಯಾಪದಗಳು ಸಂಭಾವ್ಯಸೂಚಕ ಮತ್ತು ನಿಷೇಧಾರ್ಥಕ ಕ್ರಿಯಾಪದಗಳು- Helping Verbs "iru and iralla", Corresponding Future and Negation Verbs
<b>Module-V</b>	
	<b>3Hrs</b>
1.	'ಕಾಲ ಮತ್ತು ಸಮಯದ ಹಾಗೂ ಕ್ರಿಯಾಪದಗಳ ವಿವಿಧ ಪ್ರಕಾರಗಳು – Different types of Tense, Time and Verbs
2.	ದ್, -ಶ್, -ತು, -ಇತು, -ಆಗಿ, -ಅಲ್ಲ, -ಗ್, -ಕ್, ಇದೆ, ಕ್ರಿಯಾಪ್ರತ್ಯಯಗಳೊಂದಿಗೆ ಭೂತ, ಭವಿಷ್ಯತ್ ಮತ್ತು ವರ್ತಮಾನ ಕಾಲ ವಾಕ್ಯ ರಚನೆ- Formation of Past, Future and Present Tense Sentences with Verb Forms
3.	Kannada Vocabulary List : ಸಂಭಾಷಣೆಯಲ್ಲಿ ದಿನೋಪಯೋಗಿ ಕನ್ನಡ ಪದಗಳು-Kannada Words in Conversation
<b>Total: L-15Hrs</b>	

### University Prescribed Textbook

ಬಳಕೆ ಕನ್ನಡ

ಡಾ. ಎಲ್ ತಿಮ್ಮೇಶ.

ಪ್ರಕಟಣೆ : ಪ್ರಸಾರಾಂಗ,

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ.

Course outcome	
CO1	To understand the necessity of learning of local language for comfortable life.
CO2	To speak, read and write Kannada language as per requirement.
CO3	To communicate(converse) in Kannada language in their daily life with kannada speakers.
CO4	To Listen and understand the Kannada language properly.
CO5	To speak in polite conversation.

## CO-PO Mapping

		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	P O 1 0	P O 1 1	P O 1 2	P S O 1	P S O 2	P S O 3
No	Programme  Outcomes Course Outcomes															
After successful completion of the course the students will be able to:																
1	To understand the necessity of learning of local language for comfortable life.	-	-	-	-	-	1	1	-	-	-	-	1			
2	To speak, read and write Kannada language as per requirement.	-	-	-	-	-	3	1	-	-	-	-	2			
3	To communicate(converse) in Kannada language in their daily life with kannada speakers.	-	-	-	-	-	1	1	-	-	-	-	1			
4	To Listen and understand the Kannada language properly.	-	-	-	-	-	-	-	-	-	-	-	1			
5	To speak in polite conservation.															

### Note:

Eligibility criteria for registration of Kannada subjects: students who have not studied Kannada language as one of the subject in tenth standard and PUC-II have to register Balake Kannada.

<b>Course Code : BHSB107C/207C</b>	<b>Samskrutika Kannada</b>	<b>Credit:</b>	<b>01</b>
<b>Hours/Week:(L-T-P:S)1:0:0:0</b>		<b>CIE Marks:</b>	<b>50</b>
<b>Total Hours of Pedagogy (Theory) : 15 Hours</b>		<b>SEE Marks:</b>	<b>50</b>

Course objectives :	
1.	ವೃತ್ತಿಪರ ಪದವಿ ವಿದ್ಯಾರ್ಥಿಗಳಾಗಿರುವುದರಿಂದ ಕನ್ನಡ ಭಾಷೆ ಸಾಹಿತ್ಯ ಮತ್ತು ಕನ್ನಡದ ಸಂಸ್ಕೃತಿಯ ಪರಿಚಯ ಮಾಡಿಕೊಡಲಾಗುವುದು.
2.	ಕನ್ನಡ ಸಾಹಿತ್ಯದ ಪ್ರಧಾನ ಭಾಗವಾದ ಆಧುನಿಕ ಪೂರ್ವ ಮತ್ತು ಆಧುನಿಕ ಕಾವ್ಯಗಳನ್ನು ಸಾಂಕೇತಿಕವಾಗಿ ಪರಿಚಯಿಸುವುದು.
3.	ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಸಾಹಿತ್ಯ ಮತ್ತು ಸಂಸ್ಕೃತಿಯ ಬಗ್ಗೆ ಅರಿವು ಹಾಗೂ ಆಸಕ್ತಿಯನ್ನು ಮೂಡಿಸುವುದು.
4.	ತಾಂತ್ರಿಕ ವ್ಯಕ್ತಿಗಳ ಪರಿಚಯವನ್ನು ಹಾಗೂ ಅವರುಗಳು ಸಾಧಿಸಿದ ವಿಷಯಗಳನ್ನು ಪರಿಚಯಿಸುವುದು.
5.	ಸಾಂಸ್ಕೃತಿಕ, ಜನಪದ ಹಾಗೂ ಪ್ರವಾಸ ಕಥನಗಳ ಪರಿಚಯ ಮಾಡಿಕೊಡಲಾಗುವುದು.

<b>ಘಟಕ- 1 ಕನ್ನಡ ಸಂಸ್ಕೃತಿ ಮತ್ತು ಭಾಷೆ ಕುರಿತಾದ ಲೇಖನಗಳು</b>		<b>3Hrs</b>
1.	ಕರ್ನಾಟಕ ಸಂಸ್ಕೃತಿ - ಹಂಪಾ ನಾಗರಾಜಯ್ಯ	
2.	ಕರ್ನಾಟಕ ಏಕೀಕರಣ : ಒಂದು ಅಪೂರ್ವ ಚರಿತ್ರೆ - ಜಿ. ವೆಂಕಟಸುಬ್ಬಯ್ಯ	
3.	ಆಡಳಿತ ಭಾಷೆಯಾಗಿ ಕನ್ನಡ- ಡಾ. ಎಲ್ ತಿಮ್ಮೇಶ ಮತ್ತು ಪ್ರೋ.ವಿ. ಕೇಶವಮೂರ್ತಿ	
<b>ಘಟಕ- 2 ಆಧುನಿಕ ಪೂರ್ವ ಕಾವ್ಯ ಭಾಗ</b>		<b>3Hrs</b>
1.	ವಚನಗಳು : ಬಸವಣ್ಣ, ಅಕ್ಕಮಹಾದೇವಿ, ಅಲ್ಲಮಪ್ರಭು, ಆಯ್ದಕ್ಕಿ ಮಾರಯ್ಯ, ಜೇಡರ ದಾಸಿಮಯ್ಯ, ಆಯ್ದಕ್ಕಿ ಲಕ್ಕಮ್ಮ.	
2.	ಕೀರ್ತನೆಗಳು : ಅದರಿಂದೇನು ಫಲ ಇದರಿಂದ ಏನು ಫಲ - ಪುರಂದರದಾಸರು ತಲ್ಲಣಿಸದಿರು ಕಂಡೆ ತಾಳು ಮನವೇ - ಕನಕದಾಸರು	
3.	ತತ್ವಪದಗಳು : ಸಾವಿರ ಕೊಡಗಳ ಸುಟ್ಟು - ಶಿಶುನಾಳ ಶರೀಫ	
<b>ಘಟಕ- 3 ಆಧುನಿಕ ಕಾವ್ಯಭಾಗ</b>		<b>3Hrs</b>
1.	ಡಿವಿಜಿ ರವರ ಮಂಕುತಿಮ್ಮನ ಕಗ್ಗದಿಂದ ಆಯ್ದ ಕೆಲವು ಭಾಗಗಳು	
2.	ಕುರುಡು ಕಾಂಚಾಣ : ದ.ರಾ ಬೇಂದ್ರೆ	
3.	ಹೊಸ ಬಾಳಿನ ಗೀತೆ : ಕುವೆಂಪು	
<b>ಘಟಕ- 4 ತಾಂತ್ರಿಕ ವ್ಯಕ್ತಿಗಳ ಪರಿಚಯ</b>		<b>3Hrs</b>
1.	ಡಾ. ಸರ್. ಎಂ. ವಿಶ್ವೇಶ್ವರಯ್ಯ :ವ್ಯಕ್ತಿ ಮತ್ತು ಐತಿಹ್ಯ- ಎ.ಎನ್.ಮೂರ್ತಿರಾವ್	
2.	ಕರಕುಶಲ ಕಲೆಗಳು ಮತ್ತು ಪರಂಪರೆಯ ವಿಜ್ಞಾನ : ಕರೀಗೌಡ ಬೀಚನಹಳ್ಳಿ	

<b>ಘಟಕ- 5 ಸಾಂಸ್ಕೃತಿಕ, ಜನಪದ ಕಥೆ ಮತ್ತು ಪ್ರವಾಸ ಕಥನ</b>		<b>3Hrs</b>
1.	ಯುಗಾದಿ : ವಸುಧೇಂದ್ರ	
2.	ಮೆಗಾನೆ ಎಂಬ ಗಿರಿಜನ ಪರ್ವತ : ಹಿ.ಚಿ.ಬೋರಲಿಂಗಯ್ಯ	
		<b>Total: L-15Hrs</b>

### University Prescribed Textbook

ಸಾಂಸ್ಕೃತಿಕ ಕನ್ನಡ

ಡಾ.ಹಿ.ಚಿ.ಬೋರಲಿಂಗಯ್ಯ ಮತ್ತು ಡಾ. ಎಲ್ ತಿಮ್ಮೇಶ.

ಪ್ರಕಟಣೆ : ಪ್ರಸಾರಾಂಗ,

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ,ಬೆಳಗಾವಿ.

### Course Outcomes

Course outcome	
CO1	ಕನ್ನಡ ಭಾಷೆ ಸಾಹಿತ್ಯ ಮತ್ತು ಕನ್ನಡದ ಸಂಸ್ಕೃತಿಯ ಕುರಿತು ಅರಿವು ಮೂಡಿಸು ಮೂಡಿರುತ್ತದೆ.
CO2	ಕನ್ನಡ ಸಾಹಿತ್ಯದ ಪ್ರಧಾನ ಭಾಗವಾದ ಆಧುನಿಕ ಪೂರ್ವ ಮತ್ತು ಆಧುನಿಕ ಕಾವ್ಯಗಳನ್ನು ಸಾಂಕೇತಿಕವಾಗಿ ಕುರಿತು ಹೆಚ್ಚಿನ ಓದಿಗೆ ಮತ್ತು ಜ್ಞಾನಕ್ಕೆ ಸ್ಪೂರ್ತಿ ಮೂಡುತ್ತದೆ.
CO3	ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಸಾಹಿತ್ಯ ಮತ್ತು ಸಂಸ್ಕೃತಿಯ ಬಗ್ಗೆ ಅರಿವು ಹಾಗೂ ಆಸಕ್ತಿಯನ್ನು ಹೆಚ್ಚಾಗುತ್ತದೆ.
CO4	ತಾಂತ್ರಿಕ ವ್ಯಕ್ತಿಗಳ ಪರಿಚಯ ಹಾಗೂ ಅವರುಗಳ ಸಾಧಿಸಿದ ವಿಷಯಗಳನ್ನು ತಿಳಿದುಕೊಂಡು ನಾಡಿನ ಇನ್ನಿತರ ವ್ಯಕ್ತಿಗಳ ಬಗ್ಗೆ ತಿಳಿದುಕೊಳ್ಳಲು ಕೌತುಕತೆ ಹೆಚ್ಚಾಗುತ್ತದೆ.
CO5	ಸಾಂಸ್ಕೃತಿಕ, ಜನಪದ ಹಾಗೂ ಪ್ರವಾಸ ಕಥನಗಳ ಪರಿಚಯ ಮಾಡಿಕೊಡುವುದು.



<b>Course Code: BHSB108C/208C</b>	<b>INNOVATION AND DESIGN THINKING</b>	<b>Credit :</b>	<b>01</b>
<b>Hours/Week (L:T:P:S) : 1:0:0:0</b>		<b>CIE Marks :</b>	<b>50</b>
<b>Total Hours of Pedagogy (Theory + Lab): 15</b>		<b>SEE Marks :</b>	<b>50</b>
<b>Course Type: Theory</b>			
<b>Course objectives:</b>			
<ul style="list-style-type: none"> <li>i. To explain the concept of design thinking for product and service development</li> <li>ii. To explain the fundamental concept of innovation and design thinking</li> <li>iii. To discuss the methods of implementing design thinking in the real world.</li> </ul>			
<b>Module-1</b>			<b>3 Hrs.</b>
<b>PROCESS OF DESIGN</b>			
<b>Understanding Design thinking</b>			
Shared model in team-base design–Theory and practice in Design thinking–Explore presentation signers across globe– MVPor Proto typing			
<b>Module-2</b>			<b>3 Hrs.</b>
<b>Tools for Design Thinking</b>			
Real-Time design interaction capture and analysis–Enabling efficient collaboration in digital space –Empathy for design–Collaboration in distributed Design			
<b>Module-3</b>			<b>3 Hrs.</b>
<b>Design Thinking in IT</b>			
Design Thinking to Business Process modelling–Agile in Virtual collaboration environment– Scenario based Prototyping			
<b>Module-4</b>			<b>3 Hrs.</b>
<b>DT For strategic innovations</b>			
Growth– Story telling representation– Strategic Foresight-Change– Sense Making- Maintenance Relevance– Valuer definition-Extreme Competition– experience design- Standardization– Humanization-Creative Culture–Rapid prototyping, Strategy and Organization–BusinessModel design.			
<b>Module-5</b>			<b>3 Hrs.</b>
Design thinking work shop			
Design Thinking Workshop Empathize, Design, Ideate, Prototype and Test			
<b>Suggested Learning resources</b>			
<b>Text Books:</b>			

- John.R.Karsnitz, Stephen O'Brien and John P. Hutchinson, "Engineering Design", Cengage Learning (International Edition) Second Edition, 2013.
- Roger Martin, "The Design of Business: Why Design Thinking is the Next Competitive Advantage", Harvard Business Press, 2009.
- Hasso Plattner, Christoph Meinel and Larry Leifer (eds), "Design Thinking: Understand – Improve – Apply", Springer, 2011
- Idris Mootee, "Design Thinking for Strategic Innovation: What They Can't Teach You at Business or Design School", John Wiley & Sons 2013.

- Yousef Haik and Tamer M. Shahin, "Engineering Design Process", Cengage Learning, Second Edition, 2011.

2. Book Solving Problems with Design Thinking Ten Stories of What Works (Columbia Business School Publishing) Hardcover 20 Sep 2013 by Jeanne Liedtka (Author), Andrew King (Author), Kevin Bennett (Author).

#### **Weblinks and Video Lectures (e-Resources):**

- [www.tutor2u.net/business/presentations/./productlifecycle/default.html](http://www.tutor2u.net/business/presentations/./productlifecycle/default.html)
- [https://docs.oracle.com/cd/E11108\\_02/otn/pdf/./E11087\\_01.pdf](https://docs.oracle.com/cd/E11108_02/otn/pdf/./E11087_01.pdf)
- [www.bizfilings.com](http://www.bizfilings.com) > Home > Marketing > Product Development
- <https://www.mindtools.com/brainstm.html>
- <https://www.quicksprout.com/./how-to-reverse-engineer-your-competit>
- [www.vertabelo.com/blog/documentation/](http://www.vertabelo.com/blog/documentation/) **HYPERLINK**  
**"http://www.vertabelo.com/blog/documentation/reverse-engineering" reverse**  
**HYPERLINK "http://www.vertabelo.com/blog/documentation/reverse-engineering"-**  
**HYPERLINK "http://www.vertabelo.com/blog/documentation/reverse-**  
**engineering" engineering** <https://support.microsoft.com/en-us/kb/273814>
- <https://support.google.com/docs/answer/179740?hl=en>
- <https://www.youtube.com/watch?v=2mjSDIBaUIM> thevirtualinstructor.com/foreshortening.html  
<https://dschool.stanford.edu/.../designresources/.../ModeGuideBOOTCAMP2010L.pdf> <https://dschool.stanford.edu/use-our-methods/6>. <https://www.interaction-design.org/literature/article/5-stages-in-the-design-thinking-process7>.  
<http://www.creativityatwork.com/design-thinking-strategy-for-innovation/498>.  
<https://www.nngroup.com/articles/design-thinking/9>.  
<https://designthinkingforeducators.com/design-thinking/10>. [www.designthinkingformobility.org/wp-content/.../10/NapkinPitch\\_Worksheet.pdf](http://www.designthinkingformobility.org/wp-content/.../10/NapkinPitch_Worksheet.pdf)

#### **Course Outcomes:**

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





<b>Course Code:</b> <b>BHSA108C/208C</b>	<b>SCIENTIFIC FOUNDATIONS OF HEALTH</b>	<b>Credit :</b> <b>01</b>
<b>Hours/Week (L:T:P:S) :</b> 1:0:0:0		<b>CIE Marks :</b> <b>50</b>
<b>Total Hours of Pedagogy (Theory + Lab): 15 hours</b>		<b>SEE Marks :</b> <b>50</b>
<b>Course Type: Theory</b>		

**Course Objectives: Course objectives**

The course Scientific Foundations of Health will enable the students,

- i. To know about Health and wellness (and its Beliefs) & It's balance for positive mindset.
- ii. To Build the healthy lifestyles for good health for their better future.
- iii. To Create a Healthy and caring relationships to meet the requirements of good/social/positive life.
- iv. To learn about Avoiding risks and harmful habits in their campus and outside the campus for their bright future
- v. To Prevent and fight against harmful diseases for good health through positive mindset

**Module-1**

**3 Hrs.**

**Good Health & It's balance for positive mindset:** Health -Importance of Health, Influencing factors of Health, Health beliefs, Advantages of good health, Health & Behavior, Health & Society, Health & family, Health & Personality, Psychological disorders-Methods to improve good psychological health, Changing health habits for good health.

**Module-2**

**3 Hrs.**

**Building of healthy lifestyles for better future:** Developing healthy diet for good health, Food & health, Nutritional guidelines for good health, Obesity & overweight disorders and its management, Eating disorders, Fitness components for health, Wellness and physical function, How to avoid exercise injuries.

**Module-3**

**3 Hrs.**

**Creation of Healthy and caring relationships :** Building communication skills, Friends and friendship - Education, the value of relationship and communication skills, Relationships for Better or worsening of life, understanding of basic instincts of life (more than a biology), Changing health behaviours through social engineering.

**Module-4**

**3 Hrs.**

**Avoiding risks and harmful habits :** Characteristics of health compromising behaviors, Recognizing and avoiding of addictions, How addiction develops, Types of addictions, influencing factors of addictions, Differences between addictive people and non addictive people & their behaviors. Effects of addictions Such as..., how to recovery from addictions.

**Module-5**

**3 Hrs.**

**Preventing & fighting against diseases for good health:** How to protect from different types of infections, How to reduce risks for good health, Reducing risks & coping with chronic conditions, Management of chronic illness for Quality of life, Health & Wellness of youth :a challenge for upcoming future, Measuring of health & wealth status.

