INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad -500 043

INFORMATION TECHNOLOGY

COURSE DESCRIPTOR

Course Title	ENGLISH				
Course Code	AHSB01				
Programme	B.Tech				
Semester	I	ECE | EEE | CE			
	II	AE | CSE | IT | ME			
Course Type	Foundation				
Regulation	IARE - R18				
Course Structure		**Theory**			**Practical**	
	Lectures	**Tutorials**	**Credits**	**Laboratory**	**Credits**
	2	-	2	2	1
Chief Coordinator	**Ms. N Jayashree, Assistant Professor**				
Course Faculty	**Dr. P Narasimha Raju, Professor** **Ms. B Anand Lakshmi, Associate Professor** **Ms. P B Esther Rani, Assistant Professor** **Ms. Waheeda Begum, Assistant Professor** **Ms. E Madhavi, Assistant Professor** **Mr. B Ramesh Goud, Assistant Professor** **Mr. K Poul, Assistant Professor**				

I.   COURSE OVERVIEW:

English has been especially designed for the students of first year B.Tech. The principle aim of the course is to help the students gain a well-rounded introduction to English language learning and its four skills of listening, speaking, reading and writing. Moreover, the course pays special attention to the typical problems and challenges of Indian learners of English, which are primarily confusing the sounds, spellings and structures of their mother tongue with the sounds, spellings and structures of English.

II.   COURSE PRE-REQUISITES:

Level	Course Code	Semester	Prerequisites
-	-	-	Standard applicability of vocabulary and grammar

III. MARKS DISTRIBUTION:

Subject	SEE Examination	CIA Examination	Total Marks
English	70 Marks	30 Marks	100

IV. DELIVERY / INSTRUCTIONAL METHODOLOGIES:

✔	Chalk & Talk	✔	Quiz	✔	Assignments	✘	MOOCs
✔	LCD / PPT	✔	Seminars	✘	Mini Project	✔	Videos
✘	Open Ended Experiments						

V. EVALUATION METHODOLOGY:

The course will be evaluated for a total of 100 marks, with 30 marks for Continuous Internal Assessment (CIA) and 70 marks for Semester End Examination (SEE). Out of 30 marks allotted for CIA during the semester, marks are awarded by taking average of two CIA examinations or the marks scored in the make-up examination.

Semester End Examination (SEE): The SEE is conducted for 70 marks of 3 hours duration. The syllabus for the theory courses is divided into FIVE modules and each module carries equal weightage in terms of marks distribution. The question paper pattern is as follows. Two full questions with "either" or "choice" will be drawn from each module. Each question carries 14 marks. There could be a maximum of two sub divisions in a question.

The emphasis on the questions is broadly based on the following criteria:

50 %	To test the objectiveness of the concept.
50 %	To test the analytical skill of the concept OR to test the application skill of the concept.

Continuous Internal Assessment (CIA):
CIA is conducted for a total of 30 marks (Table 1), with 20 marks for Continuous Internal Examination (CIE), 05 marks for Quiz and 05 marks for Alternative Assessment Tool (AAT).

Table 1: Assessment pattern for CIA

Component	Theory			Total Marks
Type of Assessment	CIE Exam	Quiz	AAT	
CIA Marks	20	05	05	30

Continuous Internal Examination (CIE):
Two CIE exams shall be conducted at the end of the 8th and 16th week of the semester respectively. The CIE exam is conducted for 20 marks of 2 hours duration consisting of five descriptive type questions out of which four questions have to be answered where, each question carries 5 marks. Marks are awarded by taking average of marks scored in two CIE exams.

Quiz - Online Examination
Two Quiz exams shall be online examination consisting of 25 multiple choice questions and are to be answered by choosing the correct answer from a given set of choices (commonly four). Such a question

paper shall be useful in testing of knowledge, skills, application, analysis, evaluation and understanding of the students. Marks shall be awarded considering the average of two quiz examinations for every course.

Alternative Assessment Tool (AAT)

This AAT enables faculty to design own assessment patterns during the CIA. The AAT converts the classroom into an effective learning centre. The AAT may include tutorial hours/classes, seminars, assignments, term paper, open ended experiments, METE (Modeling and Experimental Tools in Engineering), five minutes video, MOOCs etc.

The AAT chosen for this course is given in section XI.

VI. HOW PROGRAM OUTCOMES ARE ASSESSED:

Program Outcomes (POs)		Strength	Proficiency assessed by
PO9	**Individual and Team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multi-disciplinary settings.	2	Term Paper
PO10	**Communication:** Identify, formulate, review research literature, Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.	3	Seminar Listening Test Speaking Test- Presentation (Technical / Review: Movie/Book) and Group Discussion
PO11	**Project management and finance** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.	1	Five minutes video

3 = High; 2 = Medium; 1 = Low

VII. HOW PROGRAM SPECIFIC OUTCOMES ARE ASSESSED:

Program Specific Outcomes (PSOs)		Strength	Proficiency assessed by
PSO 1	**Professional Skills:** The ability to understand, analyze and develop computer programs in the areas related to algorithms, system software, multimedia, web design, big data analytics, and networking for efficient design of computer-based systems of varying complexity.	-	-
PSO 2	**Software Engineering Practices:** Software Engineering Practices: The ability to apply standard practices and strategies in software service management using open-ended programming environments with agility to deliver a quality service for business success.	-	-
PSO 3	**Successful career and entrepreneurship: :** The ability to employ modern computer languages, environments, and platforms in creating innovative career paths to be an entrepreneur, and a zest for higher studies.	2	Written Test – Verbal Aptitude for Placement and Higher studies

3 = High; 2 = Medium; 1 = Low

VIII. COURSE OBJECTIVES (COs):

	The course should enable the students to:
I	Communicate in an intelligible English accent and pronunciation.
II	Use the four language skills i.e., Listening, Speaking, Reading and Writing effectively.
III	Develop the art of writing simple English with correct spelling, grammar and punctuation
IV	Develop the skills of writing emails, reports, formal and informal letters

IX. COURSE LEARNING OUTCOMES (CLOs):

CLO Code	CLO's	At the end of the course, the student will have the ability to:	PO's Mapped	Strength of Mapping
AHSB01.01	CLO 1	Understand the value of English as an international language and try to improve the knowledge regarding language skills and elements to be perfect in their usage.	PO 9	2
AHSB01.02	CLO 2	Develop the ability to listen effectively in order to analyze the language used in descriptions and narrations.	PO 9	2
AHSB01.03	CLO 3	Paraphrase listening skills for different purposes with special emphasis on intensive listening.	PO 9	2
AHSB01.04	CLO 4	Interpret how to contextualize the use of language for different purposes.	PO 9	2
AHSB01.05	CLO 5	Ability to comprehend speaking skills for different purposes with special emphasis on Intensive listening.	PO 10, PO 11	2
AHSB01.06	CLO 6	Express fluently without any grammatical mistakes and also give presentations with proper modulation.	PO 10, PO 11	2
AHSB01.07	CLO 7	Translate the importance of critical reading to get information from the context with the help of root words and contextual clues.	PO 10	3
AHSB01.08	CLO 8	Grasp the importance of reading skills for focused and selective information at various levels of professional career.	PO 10	3
AHSB01.09	CLO 9	Summarize the topic to write different types of argumentative, narrative, descriptive and persuasive paragraphs and essays.	PO 10, PO 11	2
AHSB01.10	CLO 10	Infer the use of language for developing behavioral skills.	PO 10	3
AHSB01.11	CLO 11	Translate the importance of reading techniques and applying it to literary texts.	PO 9	2
AHSB01.12	CLO 12	Ability to learn and understand techniques of grammar to apply in the functions of English language.	PO 9	2
AHSB01.13	CLO 13	Remember to use the knowledge of grammar and vocabulary in writing more meaningfully.	PO 9	2
AHSB01.14	CLO 14	Infer the importance of language and applying to learn to be sensitive according to the needs of the society.	PO 10	3
AHSB01.15	CLO 15	Develop writing skills in order to apply in day to day life.	PO 10	3

CLO Code	CLO's	At the end of the course, the student will have the ability to:	PO's Mapped	Strength of Mapping
AHSB01.16	CLO 16	Understand the importance of written communication for the future correspondence throw out the career of the students.	PO 10	3
AHSB01.17	CLO 17	Develop the ability to analyze the results of experiments and be competent in writing reports, work in teams in real time situations.	PO10	3
AHSB01.18	CLO 19	Understand the value of writing skills to be a responsive, attentive and empathetic writer in order to face the real-world situations.	PO 10, PO11	2
AHSB01.19	CLO 19	Infer the importance of vocabulary and writing as an essential ability in the real-time situations for those who desire to advance their career.	PO 10	3

3 = High; 2 = Medium; 1 = Low

X. MAPPING COURSE LEARNING OUTCOMES LEADING TO THE ACHIEVEMENT OF PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES:

Course Learning Outcomes (CLOs)	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CLO 1									2						
CLO 2									2						
CLO 3									2						
CLO 4									2						
CLO 5										3	1				2
CLO 6										3	1				2
CLO 7										3					
CLO 8										3					
CLO 9										3	1				2
CLO 10										3					
CLO 11									2						
CLO 12									2						
CLO 13									2						
CLO 14										3					
CLO 15									2						

Course Learning Outcomes (CLOs)	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CLO 16										3					
CLO 17										3					
CLO 18										3	1				2
CLO 19										3					

3 = High; 2 = Medium; 1 = Low

XI. ASSESSMENT METHODOLOGIES - DIRECT

CIE Exams	PO 9, PO 10, PO 11, PSO 3	SEE Exams	PO 10	Assignments	-	Seminars	PO 10
Laboratory Practices	PO 9, PO 10, PO 11, PSO 3	Student Viva	PO 10	Mini Project	-	Certification	-
Term Paper	PO 9						

XII. ASSESSMENT METHODOLOGIES - INDIRECT

✔	Early Semester Feedback	✔	End Semester OBE Feedback
✗	Assessment of Mini Projects by Experts		

XIII. SYLLABUS:

Module-I	GENERAL INTRODUCTION AND LISTENING SKILL

Introduction to communication skills; Communication process; Elements of communication; Soft skills vs. hard skills; Importance of soft skills for engineers; Listening skills; Significance; Stages of listening; Barriers and effectiveness of listening; Listening comprehension.

Module-II	SPEAKING SKILL

Significance; Essentials; Barriers and effectiveness of speaking; Verbal and non-verbal communication; Generating talks based on visual prompts; Public speaking; Addressing a small group or a large formal gathering; Oral presentation; Power point presentation.

Module-III	VOCABULARY AND GRAMMAR

The concept of Word Formation; Root words from foreign languages and their use in English; Acquaintance with prefixes and suffixes from foreign languages in English to form derivatives; Synonyms; Antonyms; Standard abbreviations; Idioms and phrases; One word substitutes

Sentence structure; Uses of phrases and clauses; Punctuation; Subject verb agreement; Modifiers; Articles; Prepositions.

Module-IV	READING SKILL

Significance, Techniques of reading, Skimming-Reading for the gist of a text, Scanning - Reading for specific information, Intensive, Extensive reading, Reading comprehension, Reading for information transfer, Text to diagram, Diagram to text.	
Module-V	**WRITING SKILL**
Significance; Effectiveness of writing; Organizing principles of Paragraphs in documents; Writing introduction and conclusion; Techniques for writing precisely, Letter writing; Formal and Informal letter writing, E-mail writing , Report Writing.	

Text Books:

1. Handbook of English (Prepared by the faculty of English, IARE).

Reference Books:

1. Norman Whitby, "Business Benchmark: Pre-Intermediate to Intermediate – BEC Preliminary", Cambridge University Press, 2nd Edition, 2008.
2. Devaki Reddy, Shreesh Chaudhary, "Technical English", Macmillan, 1st Edition, 2009.
3. Rutherford, Andrea J, "Basic Communication Skills for Technology", Pearson Education, 2nd Edition, 2010.
4. Raymond Murphy, "Essential English Grammar with Answers", Cambridge University Press, 2nd Edition, 2010.
5. Dr. N V Sudershan, "President Kalam's Call to the Nation", Bala Bharathi Publications, Secunderabad, 1st Edition, 2003.

XIV. COURSE PLAN:

The course plan is meant as a guideline. Probably there may be changes.

Lecture No	Topic's to be covered	Course Learning Outcomes (CLOs)	Reference
1	Explain the importance of English Language as a tool for Global Communication and emphasis to acquire communicative competence	CLO 1	T1:1.1
2	Improve the knowledge regarding language skills and elements to be perfect in their usage.	CLO 1	T1:1.1
3	Identify the learning levels and their competencies, make the learners understand and analyse different sounds of English	CLO 1	T1:1.1
4-7	Interpret specific information through listening skill.	CLO 2	R3:5
8	Develop the ability to understand that Speaking skills are essential to be a responsive, attentive and empathetic speaker in order to face the real-world situations.	CLO 2	R2:1.1
9-11	Apply the knowledge of preparation for oral presentation	CLO 3	R4:2.2
12	Identify common errors in the language through the concept of word formation	CLO 3	R4:60
13-15	Prepare the students to be aware of the importance of commonly used technical vocabulary	CLO 5	R4:1.1
16	Infer the concept of grammatical ambiguity & sentence construction	CLO 5	R4:4.2
17	Recognize the concept of "Subject-Verb agreement" To familiarize the students with the usage of "Concord"	CLO 7	R3:1.3
18-22	Identify and understand conventional signs, prefixes, suffixes, Synonyms, antonyms, one word substitutes used by writers to make their meaning clear to the reader	CLO13	R4:47
23	Appraise the students in order to acquire the knowledge of sentence structure	CLO14	R4:42

Lecture No	Topic's to be covered	Course Learning Outcomes (CLOs)	Reference
24-25	Analyze the problems on star to delta transformation technique	CLO12	R3:4.4
26-27	Infer the difference between phrases and idioms & learn to use them in sentences	CLO12	T2:2.9
28	To make the students learn and identify commonly used technical vocabulary.	CLO13	R4:1.3
29	Understand the Significance, essentials, and effectiveness of reading	CLO03	T1:2.4
30	Interpret derivatives, and Standard Abbreviations in English through Reading skills	CLO18	T1:2.4
31-33	Infer the gist of the text, for identifying the topic through Reading skills	CLO7	T1:27
34	Apply the general meaning and specific information through Writing skills	CLO9	R4:5.8
35	Analyze and Interpret multiple choice questions, positive and negative comments through comprehension passages	CLO19	T1: 2.5
36	Identify passage for intellectual and emotional comments; Reading for the gist of a text.	CLO18	T1: 2.7
37	Associate the students to identify their common errors in the language	CLO17	T1:2.6
38	Understand the importance of proper punctuation, creating coherence, organizing principles of paragraphs in documents to foster the writing skills of the students.	CLO19	T1:4.1
39	Evaluate Letter writing-Formal and Informal writing and E-mail writing.	CLO19	R2:3
40	To make learners aware of the selection of language to make presentations and prepare the students for an effective presentation giving them necessary inputs	CLO18	R2:3
41	Distinguish writing skills such as Describing, Defining, Classifying, Writing introduction and conclusion.	CLO17	T1:4.3
42-43	Evaluate writing skills through creating coherence, organizing principles of paragraphs in documents.	CLO19	T1:3.1
44-45	Understand the importance of Vocabulary enrichment and grammar exercises to foster the writing skill of the students.	CLO19	T1:4.1

XV. GAPS IN THE SYLLABUS - TO MEET INDUSTRY / PROFESSION REQUIREMENTS:

S NO	DESCRIPTION	PROPOSED ACTIONS	RELEVANCE WITH POs	RELEVANCE WITH PSOs
1	Construct basic and intermediate skills in English language.	Seminars	PO10	PSO3
2	Preparation of power-point slides, which include videos, animations, pictures, graphics for better understanding theory and practical work.	Seminars and NPTL	PO10	PSO3
3	To build confidence for communicating in English and create interest for the life-long learning of English language.	NPTEL	PO10	PSO3

Prepared by:
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