

Subject Code: 01SL0102

Subject Name: Reading and Writing for Technology

B.Tech. Year - I

Objectives:

1. To introduce students to fundamentals of reading and writing skills
2. To enable them to comprehend texts of technical and analytical nature
3. To enable them to carryout different writing tasks in the context of technology

Credits Earned: 2 Credits

Course Outcomes: After completion of this course, student will be able to

- comprehend diverse texts related to technology;
- organise ideas and arguments in the written form;
- write assignments, reports, letters etc. in the technical contexts.

Pre-requisite of course: NA.

Teaching and Examination Scheme*

Teaching Scheme (Hours per week)	Evaluation Scheme					Total Marks	
	Practical	ESE	IA	CSE	Viva		Term Work
2 Hours		00	30	20	25	25	100

Contents:

Unit	Topics	Contact Hours
1	1. History/ Story of Technical Writing 2. English in Technical Communication	04
2	1. Know your textbook: Exploring the textbook, its parts and purposes 2. Approaching reading: Reading Strategies 3. Reading for Various Purposes: reference books, stories, articles, technical surveys, reports, blog posts, & reviews	09
3	1. Understanding the writing process: Thinking about writing processes, key Attributes of academic and technical texts	17

	2. Writing process - Visualizing your text 3. Approaching Writing: Writing Strategies 4. Understanding various forms of writing: essay, case study, research paper, term paper, maths/physics problems, lab report, book report/review, surveys, blog posts, & dissertation 5. Writing for various purposes: essays, writing answers in exam, lab reports, process and instructions, reviews, blog post, & assignments	
	Total Hours	30

References: (Recommended Reading and Viewing)

1. For Unit -1
 - a. Tavia, Yasmin. "Story of Technical Writing." *YouTube*, 28 March 2016, <https://www.youtube.com/watch?v=QomPdtZa4k>. Accessed 30 June 2017.
 - b. AbodeTCS. "Future of TechComm." *YouTube*, 16 July 2012, <https://www.youtube.com/watch?v=dSdhnyDF0YY>. Accessed 30 June 2017.
 - c. Lowe, Janet. *Google Speaks: Secrets of World's Greatest Billionaire Entrepreneurs, Sergey Brin and Larry Page*. John Wiley & Sons, 2009.
 - d. Howard, Nicole. *The Life Story of a Technology*. Greenwood Press, 2005.
2. For Unit – 2
 - a. "Engineering Stories." *Engineering Stories*, 2017, <https://engineerstories.com/>. Accessed 30 June 2017.
 - b. "10 Breakthrough Technologies 2017." *MIT Technology Review*, 2017, <https://www.technologyreview.com/lists/technologies/2017/>. Accessed 30 June 2017.
 - c. High, Peter. "Top 10 Technology Stories of 2016." *Forbes*, 4 Jan. 2017, <https://www.forbes.com/sites/peterhigh/2017/01/04/top-ten-technology-stories-of-2016/2/#2d72b2be9de7>. Accessed 30 June 2017.
3. For Unit – 3
 - a. Teaching and Learning Resources for Me. "Understanding the Purpose of Different Types of Texts." *YouTube*, 12 Sept. 2015, <https://www.youtube.com/watch?v=IZtxWTK7tpk>. Accessed 30 June 2017.
 - b. Galloway, Bek. "Purposes and Text Types." *YouTube*, 30 Sept. 2016, <https://www.youtube.com/watch?v=-LULx42tOA4&t=34s> . Accessed 4 July 2017.
 - c. Kane, Thomas S. *The Oxford Essential Guide to Writing*. Berkeley, 2000.

Suggested Theory distribution:

NA

Suggested List of Experiments:

NA

Instructional Method:

NA

*** Teaching and Examination Scheme**

1. IA will consist of the following components: (30 Marks)

Assignments (20 Marks): Students will write three assignments. (Two assignments of 5 marks each and one assignment of 10 marks)

In-Class Participation (10 Marks)

2. CSE: (20 Marks)

(Term Paper-20 Marks): An article on the topics given.

3. Viva (25 Marks):

Viva will be conducted at the end of the semester. It will be based on the CSE, Term Work, Assignments and topics covered in the syllabus.

4. Term Work (25 Marks)

(Term-End Presentation): Students will make a presentation based on their term paper at the end of the semester.

Supplementary Resources:

1. Anderson, P. *Technical Communication*. Harcourt Brace, 1998.
2. Cox, Kathy, and David Hill. *Eap Now!: English for Academic Purposes*. Pearson Australia, 2011.
3. Doren, Charles Van, and Mortimer J. Adler. *How to Read a Book*. Washington Square Press, 1974.
4. Emden, Joan Van. *Writing for Engineers*. Palgrave Macmillan, 2005.
5. Glendinning, Eric H., and Beverly Holmström. *Study Reading: A Course in Reading Skills for Academic Purposes*. Cambridge University Press, 2012.
6. Hamp-Lyons, Liz, and Ben Heasley. *Study Writing: A Course in Writing Skills for Academic Purposes*. Cambridge University Press, 2013.
7. Langan, John, and Judith Nadell. *Doing Well in College: A Concise Guide to Reading, Writing, and Study skills*. McGraw-Hill Book Col., 1980.
8. Wise, David A., and Mark Malseed. *The Google Story*. Bantam Dell, 2008.