Course Title: Technical Communication
Course Code: ENGT 105
Credit Hours: 3

Course Description:
This course has been designed to enable students to understand facets of basic and advanced technical communication; apply oral and written communication skills in professional settings; analyze oral and written texts with standard reasoning skills.

At the completion of the course the students will be able to carry out basic technical researches in accepted formats; create technical documents in standard formats and styles; present in and for oral, textual, visual and digital platforms; and apply logical skills through reading and writing texts in standard English

Course Contents:

Unit 1: Technical Communication Basics
Objectives, Audience, Process, document design

Unit 2: Research Communication
Concept paper, Research proposal, Documentation and Reference (style guidelines), Technical Articles

Unit 3: Strategic/Rhetorical Communication
Oral communications: presentation and seminar, Digital literacy: working with the web (blogging, social networks, product reviews), visual communication, writing with Collaborators, Rhetorical strategies: persuasion, process analysis, cause and effect, narrative analysis, division and classification, definition, description, comparison and contrast

Unit 4: Organizational and Business Communication
Memo, letter and email, Job application and Résumé, Internal proposals, Internal reports, Writing for e-media

Unit 5: Design and innovation
Engineering Project proposals, Engineering Project reports

Unit 6: Critical and Creative Thinking
Inductive and deductive reasoning, Argumentation: Toulmin's Model, Thinking through Genres (Ten texts in standard English representing themes on education, problem-solving, innovation, discovery, invention, design, human condition);

Texts:
i) T. H. Huxley, “We Are All Scientists”
ii) VS Ramachandran, “The Making of a Scientist”
iii) F. Scott Fitzgerald, “The Diamond as Big as the Ritz”
iv) Charles van Doren, “The Twentieth Century: Science and Technology”
v) Carl Sagan, “The Burden of Skepticism”

vi) Sigmund Freud, “Letter to Einstein”
vii) Plato, “The Allegory of the Cave”
viii) Albert Camus, “The Myth of Sisyphus”
ix) Robert Frost, “The Road Not Taken”
x) Anton Chekov, “Swan Song”

References:

1. Laplante, Philip A. (2012). *Technical Writing: A Practical Guide for Engineers and Scientists*. New York: CRS Press.
2. Gerson, Sharon J, and Gerson, Steven M. (2017). *Technical Communication: Process and Product.* 9th ed. New Delhi: Pearson.
3. Raman, Meenakshi, and Sharma, Sangeeta. *Technical Communication: Principles and Practice.* 2nd ed. New Delhi: Oxford University Press.
4. Rottenberg, Annete T. and Winchell, Donna Haisty. (2018). *Elements of Argument: A Text and Reader*. Bedford/St. Martin's.

Evaluation:

In-Semester Evaluation: 50%
End-Semester Evaluation: 50%