

INSTITUTE	FACULTY OF TECHNOLOGY
PROGRAM	MASTER OF TECHNOLOGY in ELECTRICAL ENGINEERING (Specialization in ELECTRIC VEHICLE)
SEMESTER	3
COURSE TITLE	ENGLISH FOR TECHNICAL WRITING
COURSE CODE	01AU9001
COURSE CREDITS	0

Objective:

- 1 To impart necessary language skills to students to improve the linguistic proficiency of a manuscript prior to its submission in scholarly journals
- 2 To generate awareness among students to ensure manuscript's adherence to the standards of academic communication in the field of engineering

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

- 1 Understand the relevance of English in technical paper writing
- 2 Develop wide writing patterns to increase the readability and understanding of papers
- 3 Give inputs in sectional writing and enhancing the quality of reported work
- 4 Understand the relevance of developing a catchy title

Pre-requisite of course: Basic knowledge of English writing and research.

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
2	0	0	0	0	0	50	50

Contents : Unit	Topics	Contact Hours
1	Introduction Importance of report writing in academics and research. Various kinds of academic and research activities., Necessity of report writing for achievement of academic and research goals., Various kinds of reports / presentations. Characteristics of academic and research reports / presentations. Conclusions.	6
2	Research paper writing Types of research papers, Structure of research papers, , Research paper formats, Abstract writing, Methodology, , Results and discussions, Different formats for referencing, Ways of communicating a research paper.	7

Contents : Unit	Topics	Contact Hours
3	Thesis writing Structure of a thesis, Scope of the work, Literature review,, Experimental / computational details, Preliminary studies, Results and Discussions, Figures and Tables preparation, Conclusions and future works, Bibliography, Appendices.	8
4	Tools and Techniques Various word processors, e.g, MS Word, Libra-office, Latex etc. , Making effective presentations using Power Point and Beamer,, Uses of plagiarism detection tools.	7
Total Hours		28

Textbook :

- 1 A Step-by-Step Guide to Writing Academic Papers, Anne Whitaker, Anne Whitaker, 2009

References:

- 1 On Writing a Thesis, On Writing a Thesis, C P Ravikumar, IETE Journal of Education, 2000
- 2 Essential LATEX ++, Jon Warbrick with additions, Essential LATEX ++, Jon Warbrick with additions, David Carlisle, Michel Goossens, Sebastian Rahtz, Adrian Clark January, ., 1994

Suggested Theory Distribution:

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery and evaluation					
Remember / Knowledge	Understand	Apply	Analyze	Evaluate	Higher order Thinking / Creative
25.00	25.00	30.00	15.00	5.00	0.00

Instructional Method:

- 1 The course delivery method will depend upon the requirement of content and need of students. The teacher in addition to conventional teaching method by white board, may also use any of tools such as collaborative learning, demonstration, role play, Quiz, brainstorming, MOOCs, Active Learning Assignments etc.
- 2 The internal evaluation will be done on the basis of continuous evaluation of students in the laboratory and class-room.
- 3 Practical examination will be conducted at the end of semester for evaluation of performance of students in laboratory.
- 4 Students will use supplementary resources such as online videos, Virtual Laboratory NPTEL videos, e- courses.

Supplementary Resources:

- 1 <https://swayam.gov.in/>
- 2 <https://epgp.inflibnet.ac.in/>