

Office of Academic Research

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| Details of the Research Scholar | | | | | |
| Name | **DHIVYA G** | | | Register No. | **24PDT0002** |
| Programme | **Ph. D (Deep Tech)** | School | **SBST** | Category | **IFT** |
| Topic of Research | **A study on the detection and validation of Protein-Protein Interaction Inhibitors for Cystic Fibrosis treatment using Machine Learning-driven virtual screening approach** | | | | |

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| **Details of Mandatory Course** | | | | | |
| **COURSE TITLE:** | **English For Researchers PENG504N** | | | | |
| **Credit Structure** | | **L** | **T** | **P** | **C** |
| **2** | **0** | **2** | **3** |
| **Module 1: Introduction to Academic and Scientific English (4 Hours)** | | | | | |
| * General English, Academic English, and Scientific English * Grammatical Nuances of Academic English * English for Specific Purposes | | | | | |
| **Module 2: Reading for Research (3 Hours)** | | | | | |
| * Types of Reading, Analysis of Various Texts, Analysis of Paragraphs * Identifying Topic Statement, Locating Main Ideas, and Annotating | | | | | |
| **Module 3: Academic Vocabulary, Avoiding Ambiguity, Repetition, and Vague Language (3 Hours)** | | | | | |
| * Verbs * Collocations * Logical Connectors * One Word substitution * Synonym * Technical and Scientific Registers * Use of Simple and Accessible Style * Avoid: Uninformative Words, Redundancy, Grandiloquence, Cliches and Euphemisms * Minimize Pronoun Ambiguity * Select Specific over Generic Words | | | | | |
| **Module 4: Grammar for Research (3 Hours)** | | | | | |
| * Agreement of Subject and Verb * Pronoun Reference * Active and Passive Voice * Impersonal and Passive Voice * Nouns from Verbs * Modifiers * Tense and Tense Shift * Punctuation * American and British Styles | | | | | |
| **Module 5: Structuring of Paragraphs and Academic Writing (5 Hours)** | | | | | |
| * Paragraph Initiation: Selecting Relevant Subjects * Section Introductions: Summarizing Content and Structure * Information Placement: Balancing New and Existing Details * Conceptual Progression: From General to Specific in Sentence Construction * Logical Sequencing: Organizing Ideas Coherently * Prewriting Strategies, Writing Strategies, Revision Strategies: Deleting, Elaborating * Paraphrase and Summary; Use of Digital Tools * Interpret Infographics | | | | | |
| **Module 6: Proofreading (5 Hours)** | | | | | |
| * Enhancing Error Detection * Spelling and Grammar Verification * Formatting Consistency * Identifying and Replacing Overused Phrases * Logical Flow and Coherence * Conciseness and Clarity | | | | | |
| **Module 7: Important Features and Elements of Academic Texts (5 Hours)** | | | | | |
| * Elements of Academic Texts: Title, Abstract, Key words, Introduction, Methods, Results, Discussion, Conclusions, Acknowledgments, References, Appendix/ices * Characteristics, Structure and Style: Review articles, Research paper, Journal Finder, Mendeley, Conference abstracts | | | | | |
| **Module 8: Presentations (2 Hours)** | | | | | |
| * Communication Theory; Social Presence Theory * Analysis of TED Presentations * Dynamics of Presentation Skills | | | | | |

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| **Total Lecture hours** | | **30 Hours** | |
| **Indicative Experiments** | | | |
| 1. | Interpretation of texts | | 5 hours |
| 2. | Proofreading | | 5 hours |
| 3. | Domain specific vocabulary | | 4 hours |
| 4. | Transcoding | | 4 hours |
| 5. | Referencing | | 4 hours |
| 6. | Paraphrasing | | 4 hours |
| 7. | Summarization | | 4 hours |
| **Total Laboratory Hours** | | | **30 hours** |
| **Text Book(s)** | | | |
|  | Adrian.W. (2023). English for Writing Research Papers. (Third Edition). Pisa, Italy. Springer | | |
|  | John, F. & Pejman H. (2021). Introducing English for Research Publication Purposes. London.  Routledge | | |
| **Reference Books** | | | |
|  | Booth, W. C., Colomb, G. G., Williams, J. M., Bizup, J., & FitzGerald, W. T. (2016). The craft of  research (4th ed.). University of Chicago Press. | | |
|  | Day, R. A., & Gastel, B. (2016). How to write and publish a scientific paper. Cambridge  University Press. | | |
|  | Glasman-Deal, H. (2010). Science research writing: For non-native speakers of English. Imperial  College Press. | | |
|  | McCarthy, M., & O'Dell, F. (2016). Academic vocabulary in use. Cambridge University Press. | | |

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| 5. | Silvia, P. J. (2014). Write it up: Practical strategies for writing and publishing journal articles.  American Psychological Association. |
| 6. | Swales, J. M., & Feak, C. B. (2012). Academic writing for graduate students: Essential tasks and  skills (3rd ed.). The University of Michigan Press. |
| **Mode of Evaluation:** Internal assessments, Quiz, Mini Project | |

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| **Approval** | | | |
| **S.No** | **Name of the Member** | **Role** | **Signature** |
|  | Dr. ABILASH V G | Dean Nominee |  |
|  | Dr. RM. VIDHYAVATHI | External Member |  |
|  | Dr. C. JAYAPRAKASH | External Member |  |
|  | Dr. KUMAR K | Internal Member |  |
|  | Dr. MANOOV R | Guide |  |