Informatics Institute of Technology

In Collaboration With

University of Westminster, UK



*University of Westminster, Coat of Arms*

Abstractive Text Summarization Using Optimized Transformers

Literature Review

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**Acronyms**

|  |  |
| --- | --- |
| AI | Artificial Intelligence. |
| DL | Deep Learning |
| GUI | Graphical user Interface |
| ML | Machine Learning |
| NLP | Natural Language Processing |
| ROUGE | Recall-Oriented Understudy for Gisting Evaluation. |
| BLEU | Continuous-time Recurrent Neural Network. |
| T5 | Deep Learning. |
| BART | Graphics Processing Unit. |
| BERT | Long Short-Term Memory. |
| PEGASUS | Liquid Time-constant. |
| ILP | Machine Learning. |
| LSTM | Symmetric Mean Absolute Product Error. |
| RNN | Mean Absolute Scaled Error. |
| CNN  SEQ2SEQ | Mean Squared Error.  Sequence to Sequence |
| RoBERTa | Robustly Optimized BERT Pre-training Approach |
| GPT-3  REST | Third Generation Generative Pre-Trained Transformer  Representational State Transfer |

# CHAPTER OVERVIEW

# CONCEPT MAP

# PROBLEM DOMAIN

# EXISTING WORK

# TECHNOLOGICAL REVIEW

# EVALUATION APPROACHES

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# APPENDIX A – CONCEPT MAP