**ABSTRACT**

**Title: Medical Literature Named Entity Recognition**

**Domain: Natural Language Processing**

**Abstract:**

In the evolving world, medical transcriptions rotate around in vast numbers. To lower the burden of reading the whole transcriptions and identifying medical conditions, diseases, symptoms, and anatomical entities can be a tedious task. The already proposed methodology has named entity recognition implemented using Named Entity Tagging by Surrounding Sequence Matching (NESSMA) which had training phase

takes more time and also could not identify related terms which go hand in hand.

To overcome the problem this model can be designed using spaCy. This abstract uses an open-source transcription text dataset and demonstrate how to implement a healthcare domain-specific Named Entity Recognition (NER) method using spaCy.

SpaCy is a free open-source library for advanced Natural Language Processing (NLP) written in programming languages Python/Cython. It helps building application that process and “understands” large volumes of text which can help in reducing the burden of reading the transcriptions to identify the entities.

**GUIDE NAME: TEAM MEMBERS:**

Dr. R. Shanthakumari, Asifaa Sulthana N 20ITR012

Associate Professor, Fahima Begum B 20ITR024

Dept. of Information Technology Kaushik G 20ITR046