Compulsory Task 2

One innovative technology that utilises Natural Language Processing (NLP) is IBM's Watson Discovery. Watson Discovery is a powerful AI-powered platform designed to extract insights and knowledge from unstructured data sources, such as documents, articles, and web pages.

The primary goal of Watson Discovery is to enable organisations to unlock valuable information buried in vast amounts of unstructured text data. This is achieved through advanced NLP techniques including natural language understanding, entity recognition, sentiment analysis and document clustering.

Watson's discovery is based on the ingestion of large amounts of text based data from various sources. It uses natural language processing algorithms to analyse the data, collect key information and derive a patterning insight. In order to comprehend the Semantic Meaning of a Text and make sense of its context, relationship with entities as well as expression of emotions in documents, the Platform uses Deep Learning Models.

One notable feature of Watson Discovery is its ability to perform entity detection. It can automatically identify and extract important entities such as people, organisations, places and products mentioned in the text. This allows users to better understand the entities involved and the relationships between them, which can be valuable for tasks such as data graphing or competitive analysis.

IBM Watson Discovery has found applications in various industries, including healthcare, finance, and customer support. For example, in healthcare, Watson Discovery can analyse medical literature and patient records to assist in diagnosis and treatment recommendations. In finance, it can analyse financial news and reports identifying market trends and make informed investment decisions. In customer support, Watson Discovery can analyse customer feedback and support tickets to provide personalised recommendations and improve customer satisfaction.

In short, IBM Watson Discovery is an innovative NLP technology that uses advanced algorithms and deep learning models to extract insights from unstructured data sources. With Watson Discovery, organisations can unlock valuable information, make informed decisions and improve their business processes using entity detection, sentiment analysis and document clustering.

References

IBM Watson Discovery: [https://www.ibm.com/cloud/watson-discovery]
IBM Research: [https://www.research.ibm.com/]