



**NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**2021-2022**

<b>Batch Number</b>	<b>CG-5</b>
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<b>Guide</b>	Shaik Rizwana P.hd
<b>Title</b>	Fuzzy Neural Network Approches to Quantum-Based Multimodel Sentiment and Sarcasm Analysis
<b>Domain/Technology</b>	DEEP LEARNING
<b>Base Paper Link</b>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S1566253523004013">https://www.sciencedirect.com/science/article/abs/pii/S1566253523004013</a>
<b>Dataset Link</b>	<a href="https://github.com/prayagtiwari/QFNN">https://github.com/prayagtiwari/QFNN</a>
<b>Software Requirements</b>	Browser: Any latest browser like Chrome Operating System: Windows 7 Server or later Python (COLAB)
<b>Hardware Requirements</b>	SystemType: Intel Core i5 or above RAM: 8 GB Number of cores:5 Number of Threads: 4
<b>Abstract</b>	The paper introduces Quantum, a brand-new hybrid model. Fuzzy Neural Network, which combines fuzzy logic, neural networks, and quantum computing. QFNN has been particularly created to efficiently handle ambiguous and complex data by addressing issues with conventional neural networks when there are imprecise if there is ambiguous information present. Indeed, the QFNN is one of these neural network that leverages quantum computing to process information more quickly, making it suitable for handling high-dimensional non-local databases, especially intricate ones. This innovative idea has the potential to greatly increase machine learning activities' accuracy and efficiency, so being a valuable asset in numerous other domains.

Signature of the student(s)

Signature of the Guide

Signature of the project coordinator