DEPARTMENT OF APEX INSTITUTE OF TECHNOLOGY

PROJECTPROPOSAL

1. Project Title : -

> ## Fake News Detection

2. Project Scope: - (Max 500 words)

Fake News Detection : The scope of the project is to come up with applications of Natural Language Processing (NLP) approaches for detecting 'fake news, that is, misinformation and stories that come from unknown sources. For this, we have to create a model of a product with supervised machine learning and deep learning algorithms that can identify fake news as true or false by using tools like artificial neural networks, Python Scikit-Learn, and NLP for textual analysis. Then, we will execute the training model and identify the user input, and it will achieve the highest precision and accuracy according to the confusion matrix results.

3. Requirements : -

- **Hardware Requirements**

i. RAM – 8GB and above
ii. Graphics Card – 4GB and above
iii. Processor – Intel Core i5 and above

- **Software Requirements**

i. Python and ML libraries.
ii. PyCharm and Jupiter Notebook.
iii. Artificial Neural Networks, NLP and Scikit-learn.
iv. NumPy, SciPy.
v. Pandas, Matplotlib and etc...

4. STUDENTS DETAILS

Name	UID	Signature
CHINNARI ABHISHEK	21BCS3692	
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PENTAKOTA SRI PRANEETH	21BCS3523	
YADALA CHANDU	21BCS11015	

5. APPROVAL AND AUTHORITY TO PROCEED

We approve the project as described above, and authorize the team to proceed.

Name	Title	Signature (With Date)
KOMAL MEHTA	Supervisior	