**(Team no – 12)**

**Submitted by-**

|  |  |
| --- | --- |
| 1. Harshal Sanjiv Patil | (50604782) |
| 1. Mrudula Chandrakant Deshmukh | (50605669) |
| 1. Siddhi Sunil Nalawade | (50613176) |

**INTRODUCTION: -**

1. What are we trying to do?
2. How is it done today? What are the limits of current practice?
3. What’s in our approach? Why will it be successful?
4. What are the effects, who cares?
5. If we’re successful, what difference and impact will it make? How do we measure it (e.g., via user studies, experiments, ground truth data)?
6. What are the risks and payoffs?
7. How much will it cost?
8. How long will it take?
9. What is the midterm and final” exams” to check for success? How will progress be measured?

**References:**

* **Comparative Studies and Hybrid Approaches**

1. Afan Galih Salman, 2Yaya Heryadi, 2Edi Abdurahman and 3Wayan Suparta, Weather Forecasting Using Merged Long Short-Term Memory (LSTM) and ARIMA Model
2. (
3. Comparison between ARIMA and Deep Learning Models for Temperature Forecasting (Eranga De Saa and Lochandaka Ranathunga)
4. A Comparison of ARIMA and LSTM in Forecasting Time Series (Sima Siami-Namini et al.)

S. Sarraf and A. M. Golestani, “A robust and adaptive decision-making algorithm for detecting brain networks using functional mri within the spatial and frequency domain,” in The IEEE International Conference on Biomedical and Health Informatics (BHI), pp. 1–6, IEEE, 2016.

* **LSTM Models for Temperature Forecasting**
* **Comparative Studies and Hybrid Approaches**