Form 1: Project Information Form

1.Team No: 9

2. Project Title: Loan Approval Prediction using Deep Learning and Data Storage with Blockchain

3.Team Details:

SL No	Hall ticket Number	Name
1	20EG105101	Vishwanth
2	20EG105119	Jaya Sravani
3	20EG105156	Manikanta
4	20EG105160	Chandana

4.Problem Statement:

The current banking industry faces significant challenges when it comes to the loan approval process. Long waiting times, lack of security, and reliance on traditional systems have hindered the efficiency of loan disbursal. To address these limitations, we propose a solution that combines Deep Learning and Blockchain to enhance loan approval security and provide faster processing times.

5.Source of Project:

1Vadipina Amarnadh• 2*Nageswara Rao Moparthi Credit Risk Evaluation and Credit Data Storage: A Novel Deep Learning Technique with Blockchain

1Vadipina Amarnadh • 2Nageswara Rao Moparthi Prediction and Assessment of Credit Risk using an Adaptive Binarized Spiking Marine Predators' Neural Network in Financial Sector

[8:57 pm, 12/12/2023] Manikanta Cse A: [2]. Viswanatha V, Ramachandra A.C, Vishwas K N and Adithya G. "Prediction of Loan Approval in Banks using Machine Learning Approach". International Journal of Engineering and Management Research e-ISSN: 2250-0758 | p-ISSN: 2394-6962

[8:57 pm, 12/12/2023] Manikanta Cse A: [5]. Anurima Majumdar, Romik Banerjee, Rounak Ghosh, Sagar Ghosh, Rudradip Bhattacharjee5, Sayak Saha6, Subhrajit Pallob7, Antara Ghosal8, Palasri Dhar9, Nabaneeta Banerjee1. "Loan Prediction by using Machine Learning". INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY June 2022 | IJIRT | Volume 9 Issue 1 | ISSN: 2349-6002

[8:58 pm, 12/12/2023] Manikanta Cse A: • [7]. Mamatha, Madhura, Mahalakshmi Mukri. "PREDICTING LOAN APPROVAL USING MACHINE LEARNING". International Research Journal of Modernization in Engineering Technology and Science (Peer-Reviewed, Open Access, Fully Refereed International Journal) Volume:05/Issue:05/May-2023

6.FinalOutcome:

The project successfully employed a Deep Learning model for loan approval prediction, significantly reducing the loan sanctioning timeline. This streamlined process benefits both lenders and customers by expediting approvals. Moreover, the integration of a blockchain layer fortified the system's security, fostering enhanced trust within the banking and financial sector. Through meticulous data cleaning, preprocessing, and model selection, we achieved commendable accuracy in loan approval prediction, culminating in a robust system capable of offering swift decisions while ensuring the utmost security and reliability.

7. What are parameters consider for project evaluation

- ➔ **Smart Contract Execution**
- ➔ Accuracy of loan prediction
- ➔ Secured Data storage and tamper-proof
- ➔ Time-saving for loan Approval

8. Development Environment:

Visual Studio Code, Ethereum platform and meta mask, Oracle Services

Signature Team Members **Signature Supervisor**

1:
2:
3:
4: