# SCHOOL OF COMPUTING SCIENCE & ENGINEERING



## PROJECT APPROVAL FORM AND ABSTRACT Fall 2023-2024

**B.Tech./MCA/MSC/BCA/BSC**

## Project Details: Project Group ID: BT4432

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| --- | --- | --- | --- |
| **Title** | Loan Approval Prediction Using Machine Learning Algorithms | | |
| **Project Type** | **Community based design problem (Interdisciplinary)**  **Sustainable development goal App Development / Utility IOT/ML/Others** | **Project Outcome** | **Project and Research Paper Project and Patent**  **Project and Book Chapter** |
| **Publication Target** | **SCOPUS Journal** | **Guide Name: Dr. Mohd. Arquam** | |
| **SCOPUS Conference SCOPUS Book Chapter** |
| **Patent** |

**Student Details:**

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| --- | --- | --- | --- | --- | --- |
| **S.**  **No** | **Name** | **Enrollment Number** | **Admission Number** | **Program**  **/ Branch** | **Sem** |
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## Guide Lines for One Page Abstract:

1. Project Title should be in bold letters maximum of two lines, and the font must be in Times New roman with the size of 22 and it should be in center alignment.
2. The Abstract should have minimum of 150 words and maximum of 250 words.
3. The Abstract should be in Justify alignment, and the font must be in Times New roman with the size of 14 and the line spacing must be in 2.0 exactly.
4. Please refer the next page for the Abstract format.

**Loan Approval Prediction Using ML**

**ABSTRACT**

Now a days, a lot of people are applying for bank loans for education, house construction, buying cars, and many more expenditures. Some of them are not able to return back the money because of some reasons. In such scenarios, bank faces a loss. Also, bank has limited amount of assets which they want to spend only on those customers which can repay the loan amount. Thus, finding the right customers for the banks is one of the most challenging task. So, we try to reduce the losses faced by banks by selecting the right customers who will repay the loan. We have collected some old data of customers from the banks and using these data and some machine learning algorithms, we will train the machine and then will test on some test cases. We will be focusing on the classification problem of “whether the person should be provided the loan or not?”. We have divided the paper in some parts: Collection and distribution of Data into train and test part, Different results obtained from already available models, Designing more accurate model and Results of our model.

# Signature of Student Signature of Guide