



**ENHANCING THE FUTURE PROSPECT FOR PLACEMENT**

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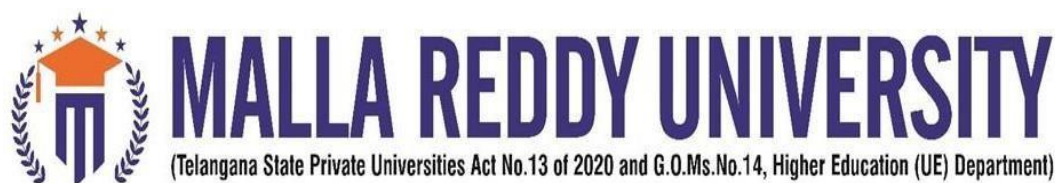
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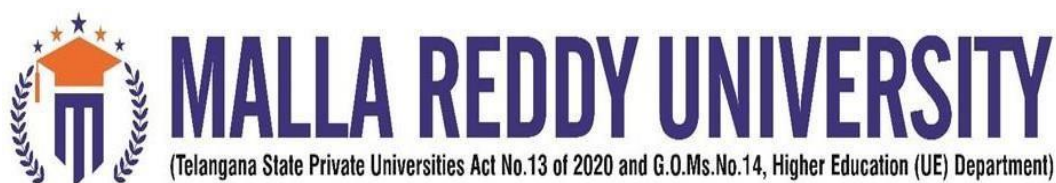
## CERTIFICATE

This is to certify that this is the Application development lab record entitled “**ENHANCING THE FUTURE PROSPECT FOR PLACEMENT**” submitted by **S LAVAN KARTHIK (2011CS010266), P KAUSHIK VARMA (2011CS01028), P JAYANTH (2011CS010216), P YAGNESH(2011CS010244)** B. Tech III year II semester, Department of CSE during the year 2022-23. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

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## DECLARATION

We declare that this project report titled "**ENHANCING THE FUTURE PROSPECT FOR PLACEMENT**" submitted in partial fulfillment of the degree of B. Tech in CSE is a record of original work carried out by us under the supervision of **Mr. K. ASISH VARDHAN** and has not formed the basis for the award of any other degree or diploma, in this or any other Institution or University. In keeping with the ethical practice of reporting scientific information, due acknowledgments have been made wherever the findings of others have been cited.

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## **ABSTRACT**

The placement prediction project aims to develop an Android application that utilizes machine learning algorithms to predict the likelihood of a student securing a job placement based on various factors. The project leverages the capabilities of machine learning and Android Studio to provide students with valuable insights into their placement prospects. The project begins by collecting relevant data such as academic performance, technical skills, internships, and extracurricular activities from students. This data is preprocessed to ensure its quality and compatibility with machine learning algorithms. Missing values are handled, categorical variables are encoded, and numerical features are normalized to prepare the data for analysis. Feature selection techniques are applied to identify the most influential factors in determining job placements. Various algorithms such as logistic regression, decision trees, or neural networks can be employed to train the model. The model is trained using historical placement data, considering factors like academic performance, technical skills, personal achievements, and interview performance. The performance of the model is evaluated using appropriate evaluation metrics, and the dataset is split into training and testing sets to validate the model's predictive capabilities. This ensures that the model provides accurate and reliable placement predictions.

The developed model is integrated into an Android Studio project to create a user-friendly mobile application. The application allows students to input their relevant information, and the model processes this data to generate a prediction regarding their likelihood of securing a job placement. The application may also provide additional insights and recommendations to help students enhance their chances of getting placed. Thorough testing is conducted to ensure the functionality, usability, and accuracy of the Android application. The final product empowers students to make informed decisions about their career paths and take necessary steps to improve their placement prospects.

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