MALLA REDDY UNIVERSITY
(Telangana State Private Universities Act No. 13 of 2020 &
G.O.Ms.No. 14, Higher Education (UE) Department)
Maisammaguda, Kompally,
Hyderabad - 500100,
Telangana State.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING B.TECH-III YR-II SEM

APPLICATION DEVELOPMENT

TITLE OF THE APPLICATION TO BE DEVELOPED: ENCHANCING THE FUTURE PROSPECT FOR PLACEMANT.

AREA OF APPLICATION: Education.

BATCH DETAILS (Name &Number): SEEPATHI LAVAN KARTHIK 2011CS010266
PENMETSA KAUSHIK VARMA 2011CS010218
PAIDIPALLY JAYANTH 2011CS010216
PANDRAJU YAGNESH 2011CS010244

GUIDE NAME: Dr.K. Ashish Vardhan.

ABSTRACT OF THE APPLICATION:

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.

TOOLS USED: Android Studio , Jupyter Notebook , Visual Studio

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