A Group Project Report

on

**ADMISSION PREDICTION FOR HIGHER**

**STUDIES IN FOREIGN UNIVERSITIES**

Submitted to the Dept. of Information Technology, SNIST

in the partial fulfillment of the academic requirements for the award of

**B. Tech (Information Technology)**

under JNTUH

by

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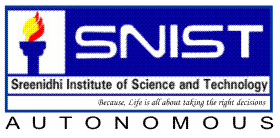
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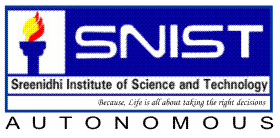
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**2021–2022**

**Department of Information Technology**

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**Certificate**

This is to certify that the Group project report on “**ADMISSION PREDICTION FOR HIGHER STUDIES IN FOREIGN UNIVERSITIES**” is a bonafide work carried out by **G. Toby Merchant (19311A12N6), Samiuddin Mohammed (19311A12M3), T. Manohar (19311A12P1)** in the partial fulfillment for the award of B. Tech degree in Information Technology, SreeNidhi Institute of Science and Technology, Hyderabad, affiliated to Jawaharlal Nehru Technological University Hyderabad (JNTUH), Hyderabad under our guidance and supervision. The results embodied in the Group project work have not been submitted to any other University or Institute for the award of any degree or diploma

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**DECLARATION**

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It is declared to the best of our knowledge that the work reported does not form part of any dissertation submitted to any other University or Institute for award of any degree.

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**ABSTRACT**

In India every year lakhs of students are getting the graduation degree and willing to join post-graduation in other countries. Newly graduate students usually are not knowledgeable of the requirements and the procedures of the postgraduate admission and might spend a considerable amount of money to get advice from consultancy organizations to help them identify their admission chances. Human consultants and calculations might be biased and inaccurate. This project helps on predicting the eligibility of Indian students getting admission in best university based on their Test attributes like GRE, TOEFL, LOR, SOP, CGPA, University rating and Research. According to their scores the possibilities of chance of admit is calculated, but with the growth of Machine Learning methods, we have got the flexibility to search out an answer to the current issue. The present system focuses on the prediction whether a student’s score is appropriate or not by using algorithms such as Adaboost, Catboost, Support Vector Machine, Naive Bias. Random forest, decision tree and linear regression algorithms are used for predicting this model. This algorithm is trained and tested for predicting the admission for the student.

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**LIST OF ABBREVIATIONS**

**ML** MACHINE LEARNING

**DL** DEEP LEARNING

**SVM** SUPPORT VECTIOR MACHINE

**ANN**  ARTIFICIAL NEURAL NETWORK

**GRE**  GRADUATE RECORD EXAMINATION

**TOEFL** TEST OF ENGLISH FOR FOREIGN LANGUAGE

**SOP** STATEMENT OF PURPOSE

**LOR** LETTER OF RECOMMENDATION

**CGPA** CUMULATIVE GRADE POINT AVERAGE

**DNN** DEEP NEURAL NETWORK

**MSE** MEAN SQUARE ERROR

**MAE** MEAN ABSOLUTE ERROR