 Kandlakoya, Medchal Road, Hyderabad – 501401 **Department of CSE (AI & ML)**  (UGC Autonomous)   
 **CMR COLLEGE OF ENGINEERING & TECHNOLOGY**



**ABSTRACT**

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| **MINI PROJECT- I/ INTERNSHIP I** | | | | |
| **DOMAIN OF THE PROJECT** | | **Machine Learning** | | |
| **TITLE OF THE PROJECT** | | **Breast Cancer Detection** | | |
| **NAME OF THE GUIDE WITH DESIGNATION AND DEPARTMENT** | | **Ms. A. Deepika**  **Asst.professor(csm)** | | |
| **DATE OF**  **SUBMISSION** | | **30-08-2022** | | |
| **TEAM NUMBER** | | **14** | | |
| **SNO** | **HTNO** | **STUDENT NAME** | **CONTACT NUMBER** | **BRANCH/SECTION** |
| 1 | **20H51A6679** | **Ekkirala Mayukha** | **7738376930** | **CSM-A** |
| 2 | **20H51A6642** | **Nampelli Sai Nishanth** | **9177460550** | **CSM-A** |
| 3 | **20H51A6604** | **Balla Sri Sai Dheeraj** | **6309307691** | **CSM-B** |

**PROBLEM DEFINATION:**   
The aim of our project is to detect the severity of Breast Cancer in women by making use of a dataset which contains information about the blood cells such as: size of nuclei, radius, texture, smoothness etc. of various female patients.

**ABSTRACT:**

Breast cancer is one of the leading causes for the death of women. In women, breast cancer is treated as the most significant issue. Early diagnosis of this helps to prevent the cancer. If breast cancer is detected in early stage, then survival rate is very high. Machine Learning methods are effective ways to classify data. Especially in the medical field, where those methods are widely used in diagnosis and analysis for decision making.

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The main objective is to evaluate the efficiency and effectiveness of the algorithm

used for classification of data by predicting the outputs with high accuracy. We

will be using Logistic Regression to help understand the severity of breast cancer.

Labels will be given as per the severity and as soon as we enter the details required

to get the prediction, we will get an output stating whether the patient’s cancer

level is Malignant or benign.

**Last date to submit is 30/08/2022**

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| **INTERNAL GUIDE** | **PROJECT COORDINATOR** | **HOD –CSE(AI&ML)** |