Activity Report (news bulletin) of IT Dept. for June 2023

1. Expert Lecture/Seminar/Courses Organized by Department during June 2023: **NIL**

2. Papers Presented/Published in the Journal by Staff during June 2023: **NIL**
3. Papers Presented by Students during May2023:

Title of Paper: Chatbot: An Automated Conversion System Using Pytorch Deep Learning Framework

Name of Journal: International Journal of Creative Research Thoughts (IJCRT-2023)

Volume and Issue : Volume 11, Issue 6 June 2023

ISSN No.: 2320-2882

Names of Authors: Mitali Bafna (TEIT), Prof. Nagama Kazzi

Abstract: - Chatbot is used to assist visually impaired individuals in their daily lives. The chatbot will utilize natural language processing techniques to understand and respond to user inquiries, helping them perform tasks such as locating nearby facilities, scheduling appointments, and reading out messages. The paper will involve designing and implementing a user-friendly interface, and training the chatbot to recognize and respond to user intent accurately. Through this paper, the intern will gain experience in natural language processing, software development, and user experience design, while contributing to the development of technology that can positively impact the lives of visually impaired individuals.

Index Terms - Natural language processing, ChatBot and PyTorch deep.

Title of Paper: Chronic Kidney Disease Prediction By Using Logistic Regression And Random Forest Model

Name of Journal: International Journal of Creative Research Thoughts (IJCRT-2023)

Volume and Issue : Volume 11, Issue 6 June 2023

ISSN No.: 2320-2882

Names of Authors: Hariom Bade (BEIT), Abhishek Bandwal (BEIT), Suraj Gore (BEIT), Yash Harne (BEIT), Prof. Dr. Preeti Bhamre

Abstract: - Chronic Kidney Disease (CKD) is a global health problem with a high morbidity and mortality rate. In such a disease, there are very few symptoms at an early stage; however, as time passes, the disease results in several damages. Early detection of CKD enables the patient to receive timely treatment and gives them a chance to minimize the damage. The proposed project aims to use a combination of Logistic Regression and Random Forest algorithms for detecting CKD. According to the literature survey, the combination of Logistic Regression Random Forest yields the best accuracy. Voting classifier is used to ensemble both the algorithms. Hence, machine learning methodology is employed, and the CKD dataset from the University of California Irvine (UCI) is used for training and detecting CKD in the early stage.

Index Terms - Chronic Kidney Disease, Logistic Regression, Random Forest, KNN

4. Industrial Training/Workshop done by Staff during June 2023: **NIL**
5. Industrial Visit organized by department for student during June 2023: **NIL**
6. Training and Placement Cell during June 2023: **NIL**
7. Books Purchased in Central Library during June 2023: **NIL**
8. Forthcoming event in the month July and August 2023:-
9. Achievements:

HOD, IT