

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

### 1. Expert Lecture/Seminar/Courses Organized by Department during April2023:

Dept. of Information Technology had organized an session on “Women Health Awareness” by Dr.Swati Chavan,Program Officer (District Mental Health Program) at Civil Hospital Nashik & Consultant at Mann Sanjeevani Clinic Nashik on 6<sup>th</sup> March.2023.

Dept. of Information Technology had organized an session on “Blockchain Technology ” by Mrs. Sonali Gorade,CEO, Sumago Infotech Pvt. Ltd. Nashik on 13<sup>th</sup> March.2023.

### 2. Papers Presented/Published in the Journal by Staff during April2023: **NIL**

### 3. Papers Presented by Students during April2023:

Title of Paper: Covid-19 Prediction from X-Ray Images using CNN

Name of Conference: One Day Online Internaonal Conference on Recent Advances in Engineering, Science and Technology (ICRAEST-2023)

Organized by: Godavari Foundation's Godavari College of Engineering, Jalgaon

Dates : Wednesday 29 March, 2023

Names of Authors: Damini Jadhav (TEIT), Harshita Jagtap (TEIT), Rujul Modi (TEIT), Prof. Poonam Patil

Abstract - COVID-19 also referred to as Severe Acute Respiratory Syndrome Corona virus-2 (SARS-CoV-2) is a very contagious virus infection and has huge effect on global health. The virus is spread from infected person who talks, sneeze, or cough. The most standard method for diagnosing COVID-19 is RT-PCR, performing RT-PCR to detect COVID might be risky, but the X-rays are easiest way available used for detecting infections in the lungs. Using Artificial Intelligence (AI) techniques and convolutional neural networks (CNNs) have achieved fruitful results in medical image analysis and classification. This study suggests a CNN model using TensorFlow for analysing chest X-rays to predict COVID-19 pictures. The study follows a flexible method of deep learning utilizing the CNN model for detection and prediction if a patient is impacted or not with the disease employing image of a chest X-ray. The trained model produced using TensorFlow achieved anaccuracy rate of 97% during the performance training.

### 4. Industrial Training/Workshop done by Staff during April 2023: **NIL**

### 5. Industrial Visit organized by department for student during April 2023: **NIL**

### 6. Training and Placement Cell during April 2023: **NIL**

### 7. Books Purchased in Central Library during April 2023: **NIL**

### 8. Forthcoming event in the month June and July 2023:-

### 9. Achievements:

Prof. Rupali Bora delivered an expert talk on “Code Generation from DAG” on 21<sup>st</sup> April 2023 at Shri Vile Parle Kelavani Mandal (SVKM) Institute of Technology, Dhule

HOD, IT