**PROJECT DEVELOPMENT**

**DELIVERY SPRINT 1**

|  |  |
| --- | --- |
| Date | 08-11-2022 |
| Team id | Pnt2022tmid40220 |
| Project name | Emergy methods for early detection of forest fires |

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"# \*\*DATA COLLECTION\*\*"

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"import tensorflow as tf\n",

"import numpy as np\n",

"from tensorflow import keras\n",

"import os\n",

"import cv2\n",

"from tensorflow.keras.preprocessing.image import ImageDataGenerator\n",

"from tensorflow.keras.preprocessing import image\n",

"import matplotlib.pyplot as plt"

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"train = ImageDataGenerator(rescale=1/255)\n",

"test = ImageDataGenerator(rescale=1/255)\n",

"\n",

"train\_dataset = train.flow\_from\_directory(\"/content/drive/MyDrive/IBM/Dataset/train\_set\",\n",

" target\_size=(150,150),\n",

" batch\_size = 32,\n",

" class\_mode = 'binary')\n",

"\n",

"test\_dataset = test.flow\_from\_directory(\"/content/drive/MyDrive/IBM/Dataset/test\_set\",\n",

" target\_size=(150,150),\n",

" batch\_size =32,\n",

" class\_mode = 'binary')"

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"Found 20 images belonging to 2 classes.\n"

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"{'Fire': 0, 'NoFire': 1}"

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