iNeuron

INTELLIGENT RADIOLOGIST ASSISTANT

An optimized web application designed specifically for classifying tears in knee MRI images.

WIREFRAME DOCUMENTATION

Domain: Healthcare

Technologies: Deep Computer Vision

Creator: Arup Sankar Roy

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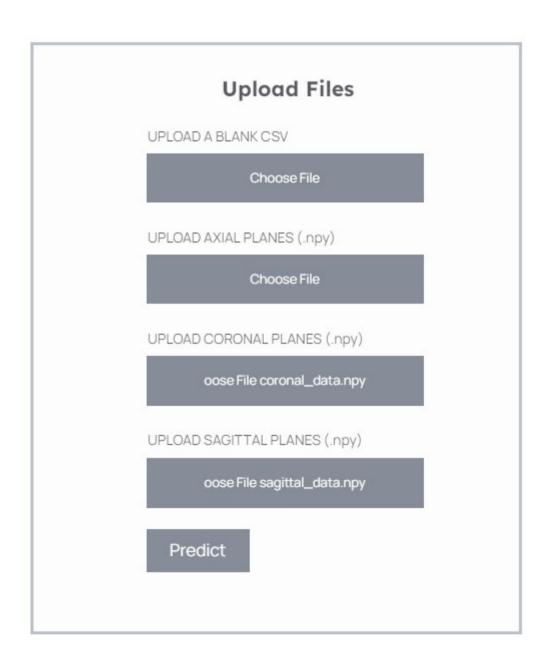**Email:**asrl20221078.cse.uit@gmail.com

LOGIN AND REGISTRATION PAGE:

Every new user must first register on this page and then log in.

User Login

MOBILENUMBER

Enter Mobile Number

PASSWORD

Enter password

Login

Don't have an account? Register here

User Registration

NAME

Enter name

MOBILENUMBER

Enter Mobile Number

ADDRESS

Enter Address

PASSWORD

Enter password

☐ I agree to the terms and conditions

Register

Already have an account? Login here

FILES UPLOAD PAGE:

If the login is correct, the user will be redirected to this page. Here, the user must submit their axial, sagittal, and coronal plane images, along with a blank CSV file, to get the prediction results.

Upload Files

UPLOAD A BLANK CSV

Choose File

UPLOAD AXIAL PLANES (.npy)

Choose File

UPLOAD CORONAL PLANES (.npy)

oose File coronal_data.npy

UPLOAD SAGITTAL PLANES (.npy)

oose File sagittal_data.npy

Predict

PREDICTION RESULT PAGE

Here, the user will receive a detailed analysis of their knee tear type, including various plots.

PREDICTION RESULTS

CSV OUTPUT

Abnormalities ACL_Tear Meniscal_Tear
Q0.970358   0.2165070.400655

PREDICTION PLOTS