

Project Development Phase

Sprint - 2

Date	4th November 2022
Team ID	PNT2022TMID16537
Project Name	Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy

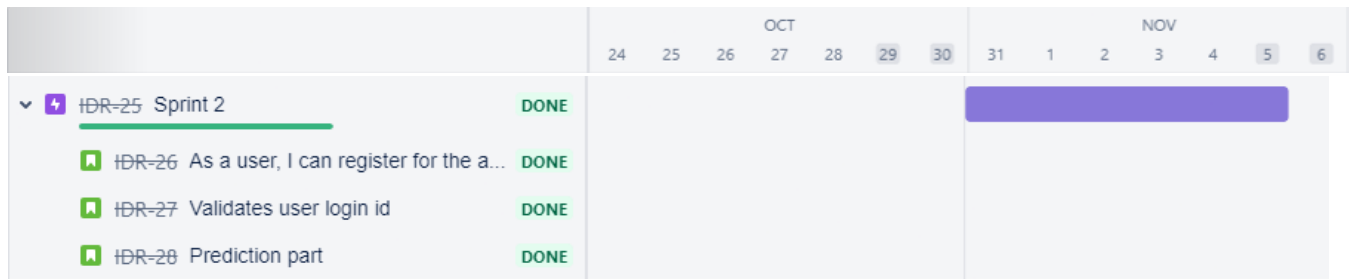
Sprint Plan

Define the initial stages of the problem requirement.
Draw and understand the flowchart of the sprint
Assign tasks to each teammate

Team Tasks

- As a user, I can register for the application through mail
- Validate login
- Prediction part and using twilio portal

Progress



Sprint tracker

start date end date current sprint points

31 Oct 2022 05 Nov 2022 16

Velocity for Sprint-2 = 20/8 = 2.5

Code Snippet

```
model = load_model(r"Updated-xception-diabetic-retinopathy.h5")
app = Flask(__name__)
app.secret_key="abc"
app.config['UPLOAD_FOLDER'] = "User_Images"
```

```

@ app.route('/login', methods=['GET','POST'])
def login():
    if request.method == "GET":
        user = request.args.get('mail')
        passw = request.args.get('pass')
        print(user, passw)
        query = {'mail': {'$eq': user}}
        docs = my_database.get_query_result(query)
        print(docs)
        print(len(docs.all()))
        if (len(docs.all()) == 0):
            return render_template('login.html', pred="")
        else:
            if ((user == docs[0][0]['mail'] and passw == docs[0][0]['psw'])):
                session['user'] = user
                flash("Logged in as " + str(user))
                return render_template('index.html', pred="Logged in as "
                    +str(user), vis ="hidden", vis2="visible")
            else:
                return render_template('login.html', pred="The password is
wrong.")
        else:
            return render_template('login.html')

```

Test cases

Test cases	Result
Improper mail id given	Not registered
Password not provided	Not logged in
Log in to the application	Successful
Showing logged in mail id	Successful (logged in as abc@gmail.com)
Upload and correct prediction	Successful

Result

