

## Project Development Phase

### Sprint - 2

Date	4th November 2022
Team ID	PNT2022TMID17830
Project Name	Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy

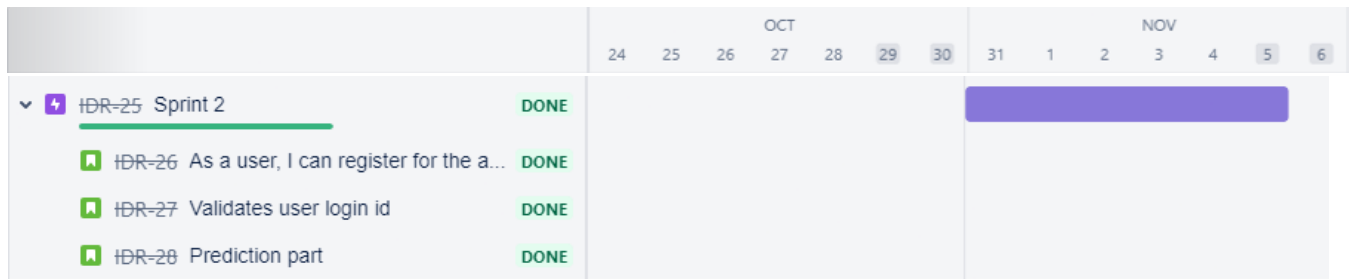
### Sprint Plan

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

