**ICEP REPORT**

**216614003 SEKGOTA K.A**

**1st WEEK**

**20 january 2020**

**Induction**

Tell her about your exit

Introduction to icep, AWS from Mash, brief about project management,project,agile methodologies, brief about the rules,what's prohibited and what's not, Cynthia,Nyambeni,Calvin,Tshidi, and the dread guy Koti, Mosa playing games,

NB-every two weeks it's the presentations to the management,

**21 january 2020**

Went to 18-110 to see if we can register and told Cynthia about the left overs of my modules

**Boipelo**

He is the front end developer, and co-founder of NONA multimedia

What he introduced was:

1. What to design.

2. How to design

3. Emphasized on how copyright it's important

4. Tools to design

Emphasized on mockups the interface plan

5. Where you design? Which problem you want to solve

6. Who to design for?(adults(eg visibility), youth (app should be fast),kids(lots of music and colour))

You can make a quick draft of your planning on this site's, www.behance.net, dribble.com

Balsama software to sketch the plan of the design

**Mr Malatjie**

Introduced the techstack we gonna use in ICEP, MEAN(MySQL,E, Angular,nodejs) stack to be precise.

Software’s

1. Trello

2. Repo - we use GitHub

3. Backend testing we use postman

4. Logbooks are important

**Calvin - scrum master**

Scrum master - It just a framework within agile.

Gave us a glimpse about the scrum purpose, how it benefits the organization than SDLC.

Emphasized on Scrum processes and Scrum values.

**Mosa**

Playing the games.

**Cynthia**

Took a list of people who own laptops

**22 january 2020**

Mr Nyambeni

Gave insight of the languages we will be using, Node .js for backend and Angular for front-end development.

**23 january 2020**

Nyambeni and Godi

They shared with us their past experiences in IT.

Department of Education representative was invited for motivations.

We signed an employment letter.

**24 january 2020**

We didn’t go to work because they said we should come on the next Monday .

**2nd WEEK**

**27 january 2020**

-First day in the labs , Our team leader introduced the ICEP technologies .

- We submitted our github usernames to the team leader in order to receice the repositories.

- The team leader invited us on our github accounts for clear communications.

- We had to push and pull the repositories as requested.

- Later on we were grouped , and had to initiate any project that can help the community , that was an assessment.

- As a team we had to learn the Language that will be used.

**28 january 2020**

-We had to choose which tasks we will be doing.

-I decided to be a front-end developer with the main focus on Administration part on our system.

**29 january 2020**

-Each of us presented the progress to out facilitators.

- We continued with the system development.

**30 january 2020**

-As we were continuing with the progress of our system we met with the Business analysts to integrate our information we have so far.

**31 january 2020**

-The presentation was postponed to Monday by the facilitator as we were not done coding .

**3rd WEEK**

**03 February 2020**

-Firstly We connected the front-end to back-end in preparations for our presentation.

- In the afternoon we presented , we were assessed according to our tasks .

**04 february 2020**

* We attended the presentations session , as other /remaining groups were presenting.

**05 february 2020**

-We were grouped together with Business Analysts for the project to be implemented for ICEP.

-Our programmers team was assigned to be the Web developers , For development I was assigned to be a front-end developer .

-During our meeting we analyzed the project and had to decide which technologies to use .

- We received the documentation which includes ERDs , User Stories , Use cases from our business analysts

**06 february 2020**

-Our group attended a Scrum session hosted by the guests the whole day , scrum content was presented to us .

- As a team we demonstrated what was learnt eventually.

**07 february 2020**

-As we were continuing with the tasks given to us from our projects leaders , I began to analyze the front-end part I’ll be working on , doing researches .

**4th WEEK**

**11 february 2020**

- We Had a meeting (1st sprint session) together with business Analysts , Scrum masters discussed the Agile methodologies to be used in the project .

- For our first part of the project I was assigned a task to create the Login part , Registration and Search bar.

- We began to push our project from the master.

**12 february 2020**

- Started coding .

- We had a daily stand-up with Scrum masters , they assessed our progress using the Trello .

- We therefore had a meeting with our business analysts to discuss the challenges thus far and way forward in order to have a good integration.

- After the meeting I continued with the coding part , and trying to rectify the mistakes.

**13 february 2020**

- We had a meeting with our business Analysts as they presented to us the Storyboard .

- We then connected our database to the front-end for functionality ,however we faced the challenges , but then the Facilitator tried to assist.

**14 february 2020**

- I Pulled the repository in the morning for continuity.

- I had to add the validation-form on my code for login and registration page .

**5th WEEK**

**17 february 2020**

* I finalized the validation code .
* We merged the System and doing error-handling.

**18 february 2020**

* We Connected the back-end with front-end.

**19 february 2020**

* Continued with connectivity because had some challenges previously.

**20 february 2020**

* Other groups attended the scrum session .
* We therefore decided to meet with our business analysts to decide who will be presenting the 1st part from both Software development and business Analysis field.

**21 february 2020**

-It was a presentation day , All the groups presented the 1st part of the systems.

**6th WEEK**

**24 february 2020**

* Our group leaders, scrum master, and project manager called a sprint so that we can talk about the things we did, things we need to do and the difficulties we facing when doing all those things.
* Apparently they were not impressed with the system that we did because it had no background pictures, and they wanted to change it to something nice, we then discussed what we can do to make it look good and decided everyone should leave their work and pick a task on the interface so it would be finished in time.

**25 february 2020**

* Rectifying all mistakes although we were disturbed by the strike.

**26 february 2020**

* Had to rectify mistakes on my part and pushed the work.

**27 february 2020**

-The tester came and tested the work so far and also told us what is expected again on top of what is available.

**28 february 2020**

* I finally submitted the whole part after all validations were finally tested.

**7th WEEK**

**02 March 2020**

-The strike disturbed us again , I could not go to work.

**03 March 2020**

* I finally went to work, we then decided to merge our work again ,however we had challenged regarding connectivity.

**04 March 2020**

-Our Team leader reshuffled the groups.

- Two new systems were introduced . I was selected as one of the developers to join a new group ,namely(Online declaration systems) .

- We had a first meeting with our new business analysts for planning.

- We were told to use PHP and MYSQL.

**05 March 2020**

-The system implementation began as we started with login and registration pages.

**06 March 2020**

* We continued with discussions on what to do.
* Our business analysts met with us as we discussed a way forward, they also showed us the documentation .

**8th WEEK**

**09 March 2020**

* In the Morning we firstly had a meeting together with ICEP stuff regarding financial problems.
* We chose tasks to do , where each of us was obligated to be a full stack developer.
* We then discussed how our interface will be structured using sketches / user stories.

**10 March 2020**

* I started to code the Administration Interface.
* I also connected the interface to the database .

**11 March 2020**

* I added some major functionalities needed on the system .

**12 March 2020**

* As a team we overviewed all our interfaces and we had to normalize the redundant data .
* We also debugged some errors on our system.

**13 March 2020**

* In the morning we did some exercises /Games for an hour.
* We then pushed our all our work in preparations for presentations.