

COGNIZANT DIGITAL BUSINESS – DIGITAL EXPERIENCE

JAVA FSE

Internship report submitted in partial fulfillment of the requirement for the
degree of Bachelor of Technology

In

Computer Science and Engineering

By

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UNDER THE SUPERVISION OF

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CANDIDATE’S DECLARATION

I hereby declare that the work presented in this report entitled “COGNIZANT DIGITAL BUSINESS – DIGITAL EXPERIENCE JAVA FSE” in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Computer Science and Engineering/Information Technology submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from August 2015 to December 2015 under the supervision of Niveditha C.M. (Coach, Human Resource Department, Cognizant).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.

Poorvansh Gupta (181283)

This is to certify that the above statement made by the candidate is true to the best of my knowledge.



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Poorvansh Gupta

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ABSTRACT

At Gen c program in Cognizant, we are divided into certain domains each domain has specific amount of training period varying from 12 weeks to 19 weeks. Internship includes various events such as educational workshops, webinars, Udemmy courses, and group work assignments.

A large IT company based in the United States and India Cognizant employed a large number of Indians last year, and it now employs about 3 lakh employees. The Cognizant Corporation also recruits and hires international workers from all around the globe.

Cognizant provides up with various services to a large number of clients in IT industry they also have tie with one of the fastest growing companies. Work culture is just as professional as expected.

Chapter 01: INTRODUCTION

1.1 About Cognizant:

Cognizant is an American multinational information technology services and consulting company. It is headquartered in Teaneck, New Jersey, United States. Cognizant is part of the NASDAQ-100 and trades under CTSI.

Cognizant began as Dun & Bradstreet Satyam Software (DBSS), established with Satyam Computer Services as Dun & Bradstreet's in-house technology unit focused on implementing large-scale IT projects for Dun & Bradstreet businesses with Srinu Raju as the founding CEO and MD. In 1996, the company started pursuing customers beyond Dun & Bradstreet.

1.2 About Domain (Cognizant Digital Business):

Cognizant Digital Business (CDB) is a pivotal part of Cognizant's overall growth strategy, both in terms of the development of our core consulting business and in developing wider mind share and market share with our global clients. Our CDB group is built on the fundamental principles of deep and relevant domain expertise in our clients' markets and businesses, allied to an enviable track record for customer excellence. CDB is already working extensively with top tier clients to enable them to meet their strategic imperative.

Cognizant Digital Business is our approach to help organizations embrace digital. 'Being Digital' involves understanding how customer behavior and expectations are evolving and leveraging digital capabilities to delivered-to-end experiences.

CDB stands for Cognizant Digital Business, and it has several domains, out of which **DX (digital experience)** is one.

1.3 Digital Experience:

What is a digital experience platform?

A digital experience platform (DXP) is an integrated enterprise software framework that seeks to reach and engage disparate audiences across multiple digital touchpoints to enhance the overall customer experience (CX).

What are the business benefits of a digital experience platform?

DXPs can deliver several business benefits to an organization. Among them:

- **A single source of truth.** A unified DXP can accommodate customer data from multiple systems, as well as several use cases, so employees can explore several scenarios in functional areas such as enterprise training and product development.
- **Teamwork.** DXPs enable a team to pinpoint content that best resonates with an audience, and then collaborate with other teams to reuse that content across multiple sites and pages.
- **Diverse functionality.** Many DXPs feature a wide range of functions, such as content management, personalization, security, collaboration, workflow, analytics, optimization and more.
- **Regulatory compliance.** With a DXP, multiple pages and sites can be managed from a single repository, with robust permissioning that streamlines regulatory compliance.

1.4 Mission, Values, Vision and Objective:

Mission – Cognizant mission is to train every fresh person who got selected in to the ` cognizant. Cognizant provide internship to every person who got selected in the cognizant. Every year cognizant train college fresh out student in bulk number before giving them the associate role. This recruit happens from all college over the India. Cognizant spends much time, effort and money in training the intern before giving them the actual work and before them to work in the real environment.

Vision - The cognizant vision is to train every fresh out student recruited from the college no matter from which college the persons come.

Values- The values of the organization are as follows:

- **Valuing People:**

We believe that our success depends first and foremost on people. By respecting people in everything we do, we will develop and maintain high quality, mutually beneficial relationships with our clients, professional colleagues, referral sources, vendors, community members and each other.

- **Building Client Relationships:**

We seek to earn long-term client loyalty by developing a deep understanding of each client's business and personal goals, by demonstrating unwavering reliability and integrity in our work and by acting as an independent and objective advisor to our clients.

- **Upholding Quality and Integrity:**

We will maintain an environment where a commitment to quality, honesty, respect, fairness and professional ethics governs the actions and decisions of everyone within our firm.

Keys to Success:

- Complete the work with full honesty.
- Complete the work on time.
- Complete the assessment.
- Complete the project within schedule time.
- Try to learn as much as possible from the SME, Trainer, mentor.⁹
- Open to learn anything taught.

Objectives:

The objectives of Cognizant are:

The overall objective is to focus the activities towards its specialized services and to become a leader in this niche in the country.

Growth: To expand the business at a rate that is both challenging and manageable, serving the market with innovation and adaptability.

1.5 Ice Breaker:

Week1-

- Corporate Introduction
- Coach connect
- Cognizant agenda session on core values
- Leaders talk / Mentors Introduction

Week2-

- Walk through to Cognizant GenC Learn Platform
- Timesheet Filling instructions and query sessions
- Walk through to various Cognizant websites and Resources
- Workshop on Waste management in 30 days.
- Workshop on Meditation and Healthy lifestyle

Chapter 02: LITERATURE SURVEY

GenC learn cognizant provides a comprehensive pathway for students to see progress after the end of each module. With a team of extremely dedicated and quality lecturers, genc learn cognizant will not only be a place to share knowledge but also to help students get inspired to explore and discover many creative ideas from themselves. Clear and detailed training methods for each lesson will ensure that students can acquire and apply knowledge into practice easily. The teaching tools of genc learn cognizant are guaranteed to be the most complete and intuitive.

Multiple udemy courses are involved on the cognizant GenC learn platform to prepare associates for ICTs and other exams if the trainer isn't available so that no one can miss the daily progress.

On performance dash boards our scores and details of the individual are mentioned and one can check its progress there.

Also Behavior training sessions for 4 weeks also held to teach GenCs about the mannerisms and code of the company.

Chapter 03: Internship sequence

3.1 Week 1:

The first week of training started and we were assigned to our respective cohorts. On the first day we had our coach connect where we were taught how to use the platform and upload and download documents on the platform for duly submissions. During this week GenCs were supposed to study from Udemy courses and watch various videos of different topics to prepare for the sessions. On week 1 we were supposed to learn the past engineering concepts through the presentation slides provided to us on the platform and had to take 6 quizzes to analyze us. Then on Friday of week 1 we had our first Code challenge to test the preparations of the GenCs.

As the technical training started our Behavior training started as well. We were assigned to a Behavior trainer and on the first day it was the Introduction session. On day 1 we're taught how to introduce ourselves in a corporate setup and then we were assigned a task to prepare a skit on certain topics to let everyone know about the key behavior skills required in office. It continued for 2 days. Then on Wednesday we were tasked to do a debate on various topics and we were distributed into groups of 8 each group had a topic. This task was to analyse the fluency of GenCs in English language. And on the last of week we had a workshop on writing good emails.



Compute and Integrate - Software Engineering Concepts, OOP, OOAD, Software Architecture Styles



Software Risks and Mitigation Approaches



Software Configuration Management



Software Architecture styles



Object Oriented Analysis



Object Oriented Design



Object Oriented Principles



Quality and Unit, Integration Test Strategies



Service Oriented Architecture



FIG 1: Engineering concept week 1

3.2 Week 2:

The second week started and we were not assigned to any trainer yet. We were supposed to study from the video courses provided about HTML, CSS, JS and Responsive Web Design. We were studying Html and we had to submit 3 handson this week along with 2 code challenges and 1 ICT (Integrated capability test). As the week progresses we were learning and working on the first hands on related to HTML and CSS. On Wednesday we had our planned Code challenges. It was an hour and half long test on HTML and JS skills where we have to make a responsive we design of an online form. Then on Friday we had our ICT where we had to create a responsive website compatible with all devices. This week we received 100 xp points which increased our progress in the dash board.

As the technical training advances the Behavior training was advancing too. On the second week our trainer got changed and we were remapped to the other trainer so we had our introduction session again. This time the BH training was supposed to be 3 days in a week. The next day we were having a session on the use of formal language and were tasked to make pairs and perform a conversation between colleagues to show how formal language impacts the corporate work space.



FIG 2: Hands on of week 2 (1)



PERSPECTIVES

8 tips for managing virtual teams

This checklist can help keep your workforce safe and successful during the COVID-19 pandemic.

LEARN MORE ►



FIG 3: Hands on of week 2 (2)



ATLAS PACKERS AND MOVERS	
Relocation info Personal info Get a quote!	
Relocation Information	
Select your current city ▼	dd-mm-yyyy
Select Category	<input type="radio"/> Home Relocation <input type="radio"/> Factory/Office Relocation
From address	To address
Distance in km (approx)	<input type="range"/>
Personal Information	
Customer Name	Enter the customer name
Phone Number	Enter the phone number
Email ID	Enter the email id
Get a quote !	
Possible charges involved	<input type="checkbox"/> Packing Charges <input type="checkbox"/> Loading Charges <input type="checkbox"/> Transportation Charges <input type="checkbox"/> Unloading Charges <input type="checkbox"/> Unpacking Charges <input type="checkbox"/> Escort Charge <input type="checkbox"/> Octroi Charges
**Quote you receive will include service tax of 12.3%	
GET A QUOTE	

FIG 4: Code challenge 1

First link

Second link

Third link



Fourth link

Fifth link

Sixth link

Heading

Let's talk a little about what symptoms a slow computer can have.

Subscribe

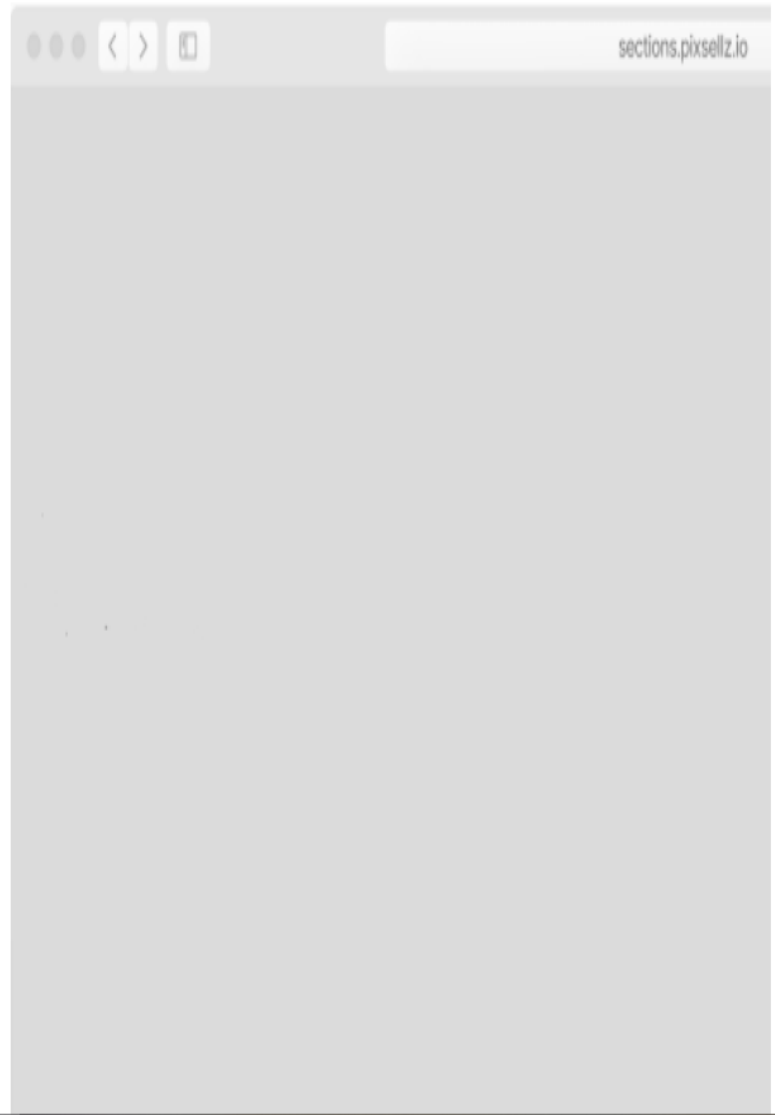


FIG 5: ICT

3.3 Week 3:

The third week started and our technical training continues. We were assigned to a trainer and our technical sessions started taking place. On First day of session our trainer helped us revise all the past video lectures we attended. Then we started to learn DBMS on Mysql software. On first day we were taught the basics of Mysql then as the process progresses we were taught different ways to create tables joins and many different connects.

With the ongoing third week our behavior training continues. The theme this week was 'In a nutshell'. The first task that is assigned to us was a group discussion with the entire cohort about a movie '3 Idiots' where everyone was given a certain time and we had to explain the movie in the shortest most precise way possible. Next task was that we were provided a story and everyone has to narrate it 'In a nutshell'. And the last task of the week was a pair task. We were distributed in pairs where one will narrate a story from their life and the other will tell it 'In a nutshell'.

```

index.html > html > head
1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <meta charset="utf-8" />
5      <meta name="viewport" content="width=device-width, initial-scale=1" />
6      <link rel="preconnect" href="https://fonts.googleapis.com" />
7      <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin />
8      <link
9        href="https://fonts.googleapis.com/css2?family=Poppins:wght@200;400&display=swap"
10       rel="stylesheet"/>
11      <link
12        rel="stylesheet"
13        href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
14        integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
15        crossorigin="anonymous"/>
16      <link rel="stylesheet" type="text/css" href="css/stylesheet.css" />
17      <link
18        href="https://cdn.jsdelivr.net/npm/font-awesome@6.1.1/css/all.min.css"
19        rel="stylesheet"/>
20
21      <title>ICT</title>
22    </head>
23    <body>
24
25
26    <!--Navigation bar 1 -->
27
28
29    <nav
30      class="navbar navbar-light navbar-expand-md justify-content-md-center mt-2" style="position: relative;">
31      <button
32        onclick="movelogo()"

```

```

js > JS script.js > ...
1  //Poorvansh Gupta
2  let click = 0;
3  function movelogo() {
4    if ((click & 1) == 0) {
5      document.getElementById("navbtn1").style.display = "none";
6    } else {
7      document.getElementById("navbtn1").style.display = "unset";
8    }
9    click++;
10 }
11 function searchvalidation() {
12   if (
13     /^w+([\.-]?\w+)*@w+([\.-]?\w+)*(\.w{2,3})+$/i.test(
14       document.getElementById("exampleInputEmail1").value
15     )
16   ) {
17     document.getElementById("exampleInputEmail1").style.border =
18       "2px solid green";
19     console.log("exampleInputEmail1");
20     return true;
21   }
22   document.getElementById("exampleInputEmail1").style.border = "2px solid red";
23   console.log("exampleInputEmail1");
24   return false;
25 }
26
27
28
29

```

FIG 6: Some code snippets

Chapter 04: Remaining Sequence and Performance Analysis

4.1 Remaining Sequence:

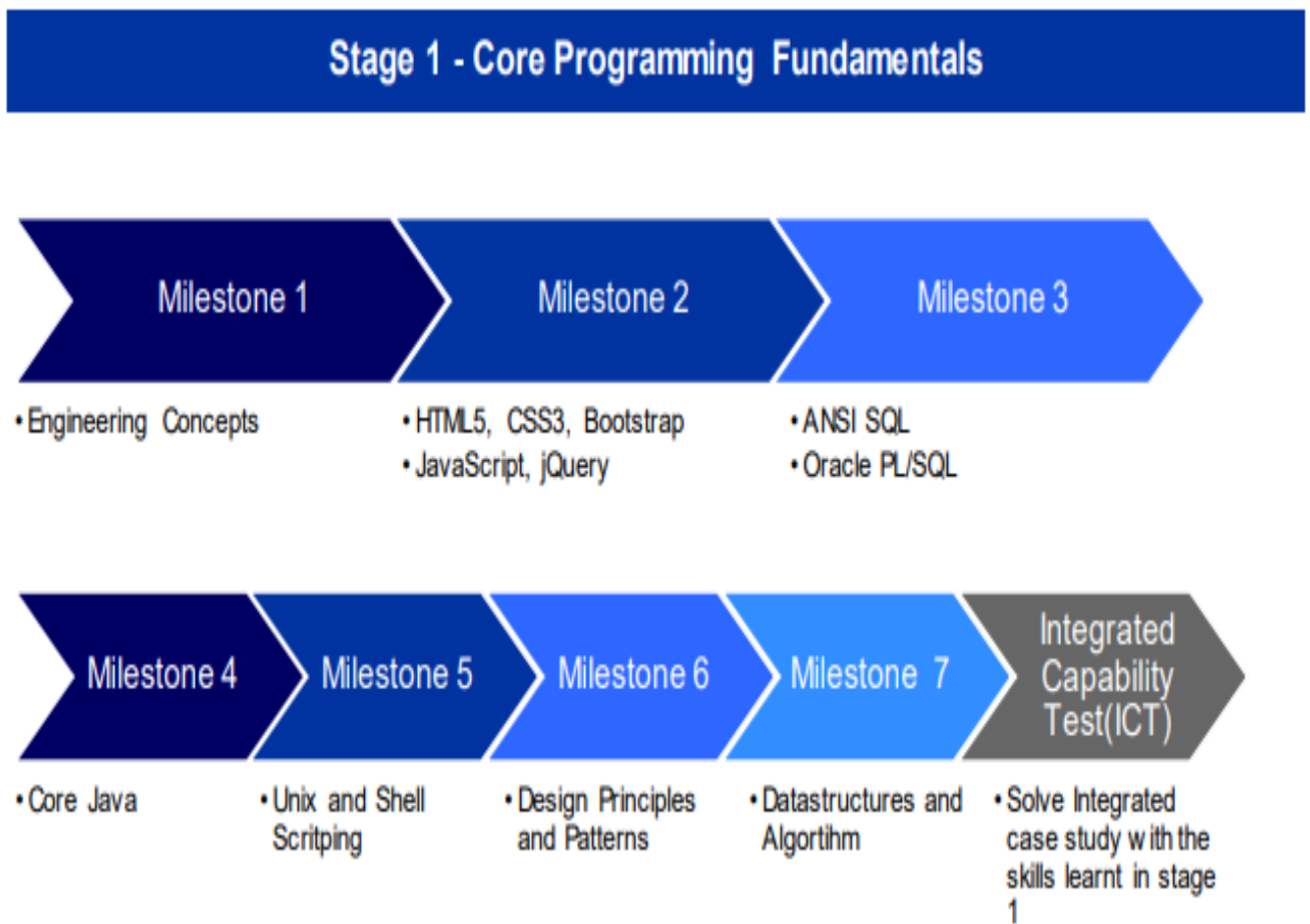


FIG 7: Stage 1 Timeline

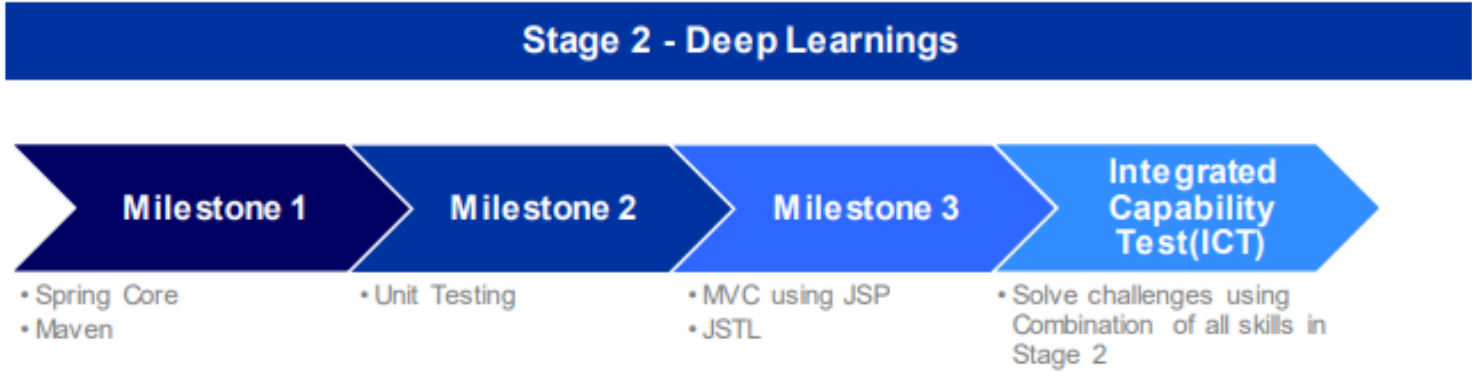


FIG 8: Stage 2 Timeline

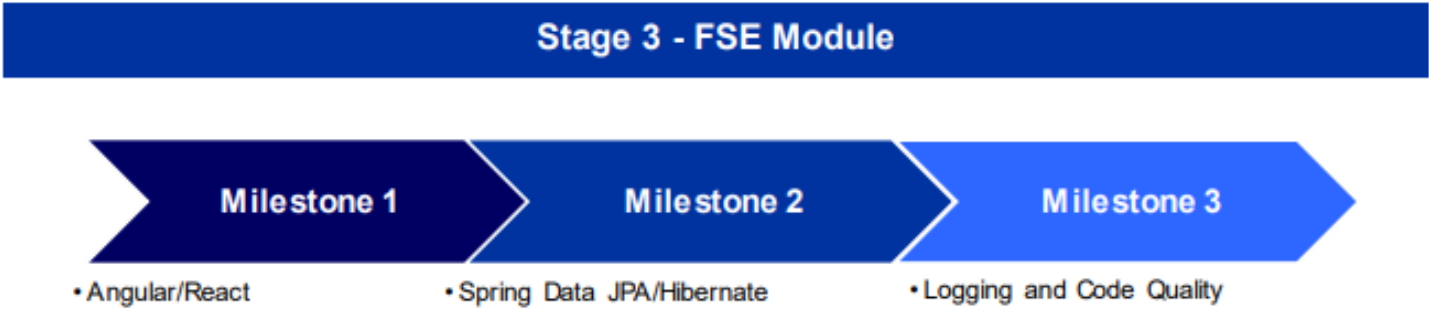


FIG 9: Stage 3 Timeline

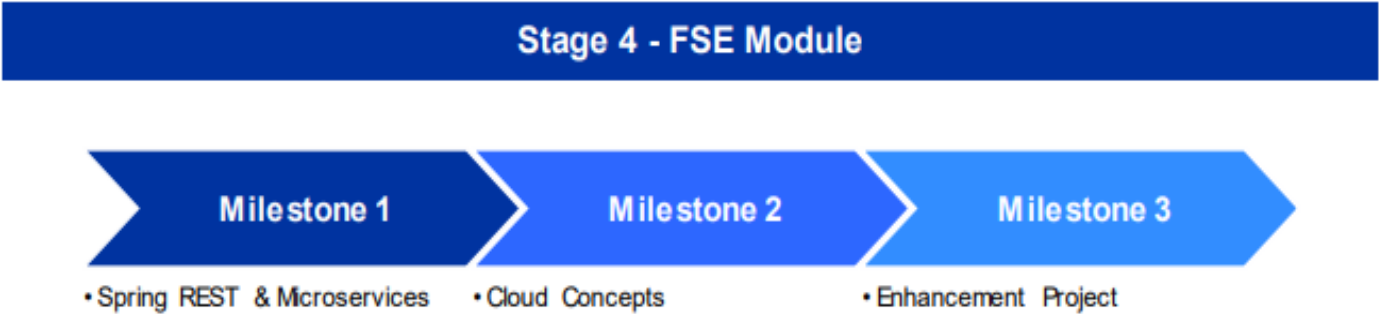


FIG 10: Stage 4 Timeline



FIG 11: MFPE

4.2 Performance Analysis:

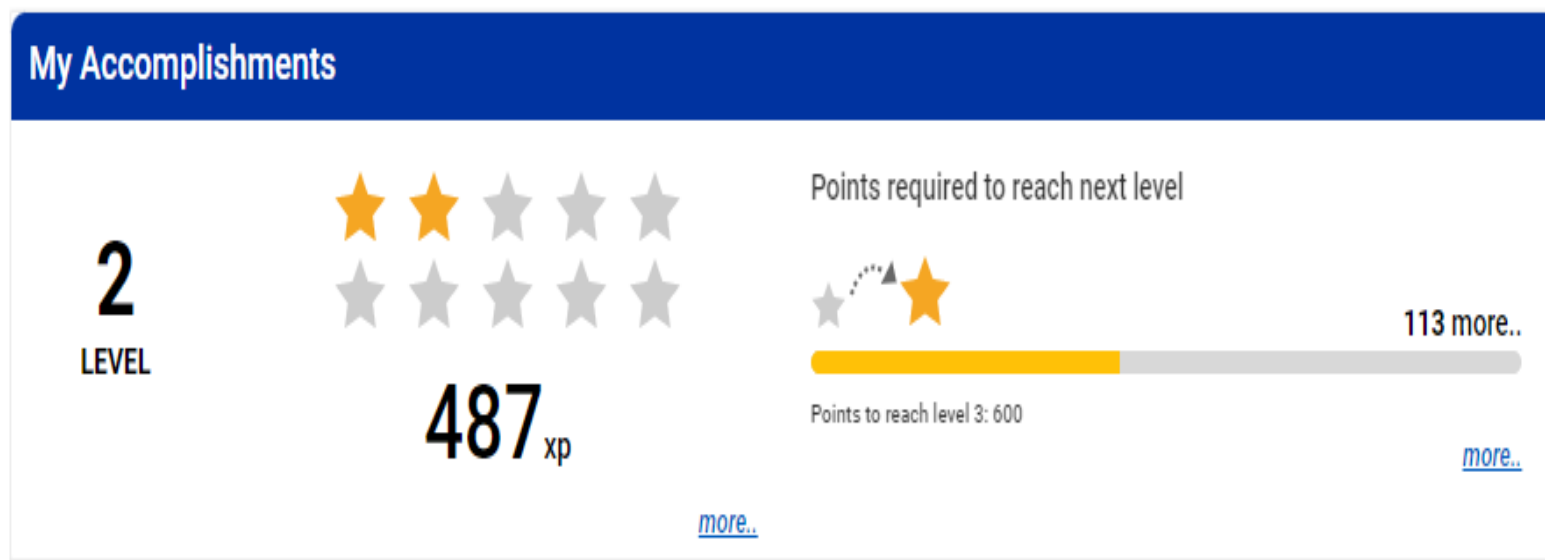


FIG 12: Accomplishment Bar

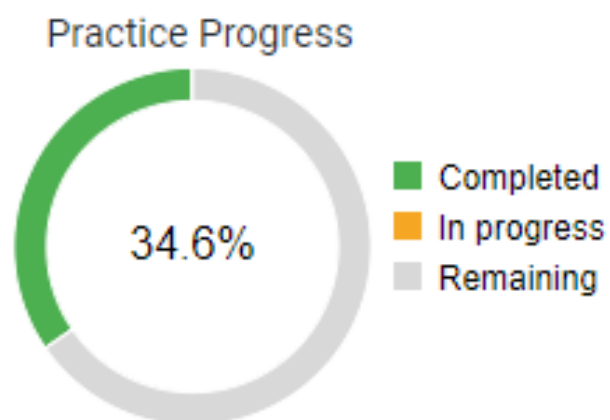
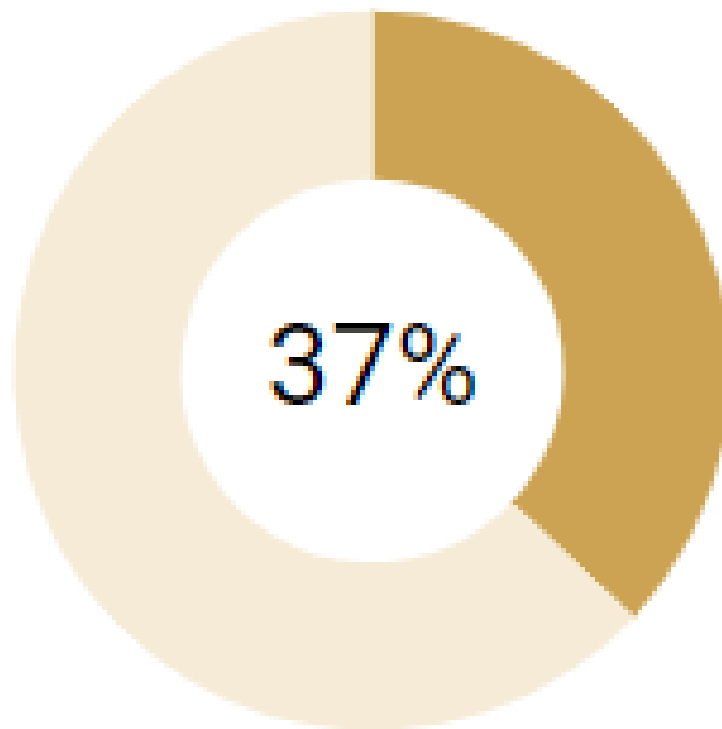


FIG 13: Practice graph

Hands-on Progress



93 - Batch Topper

FIG 14: Hands On Progress

Performance Status (W3)

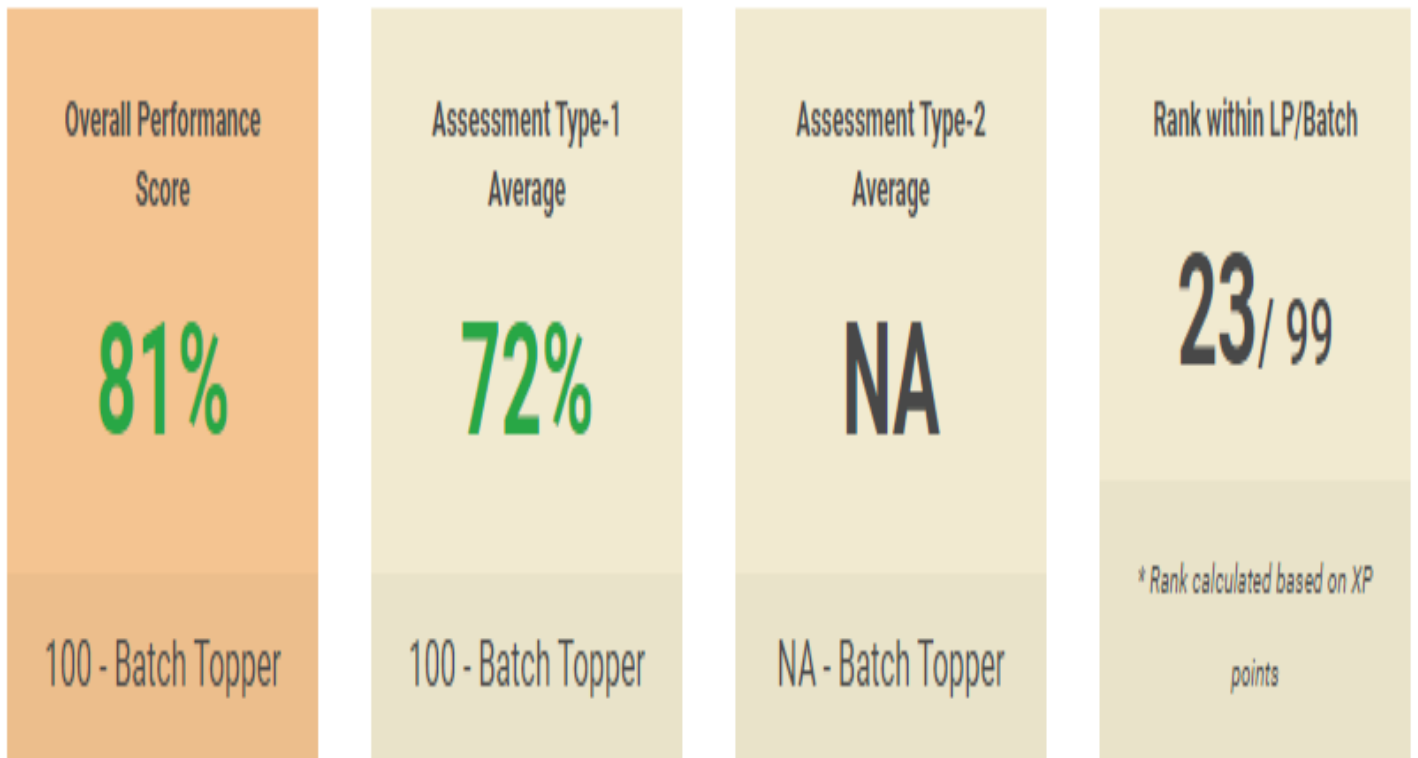


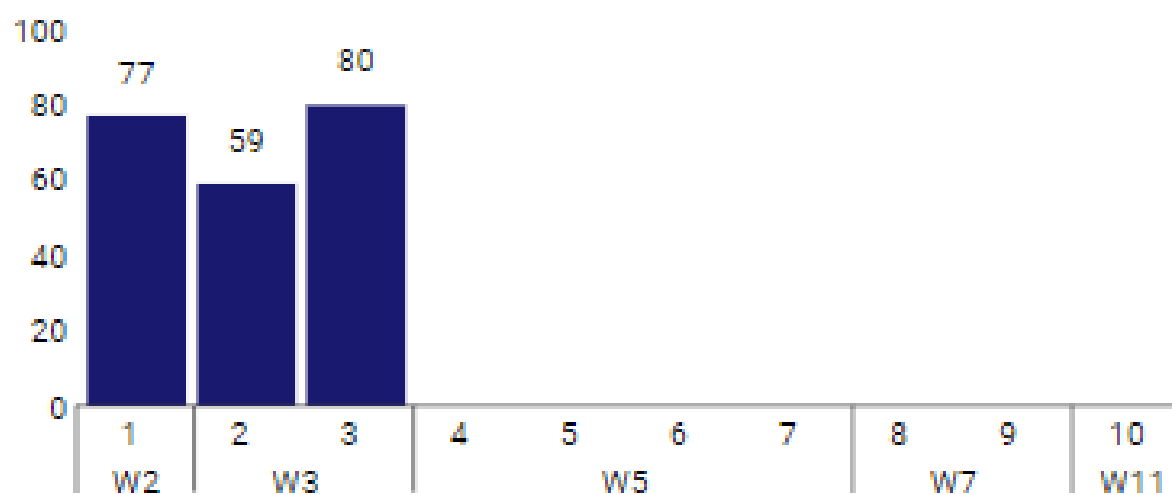
FIG 15: Performance Status

Schedule Variance

						CP 1
		W1	W2	W3	W4	W5
Hands-on	Due			14	23	30
	Actual			14	23	17
Assessment Type 1	Due		1	2		4
	Actual		1	2		
Assessment Type 2	Due					
	Actual					
Project Score						
BU Rating						

FIG 16: Schedule variance

Assessment Type 1 - Performance



* R - Rejected W - Withheld

FIG 17: Assessment Performance

Overall Performance Score - RAG Status i

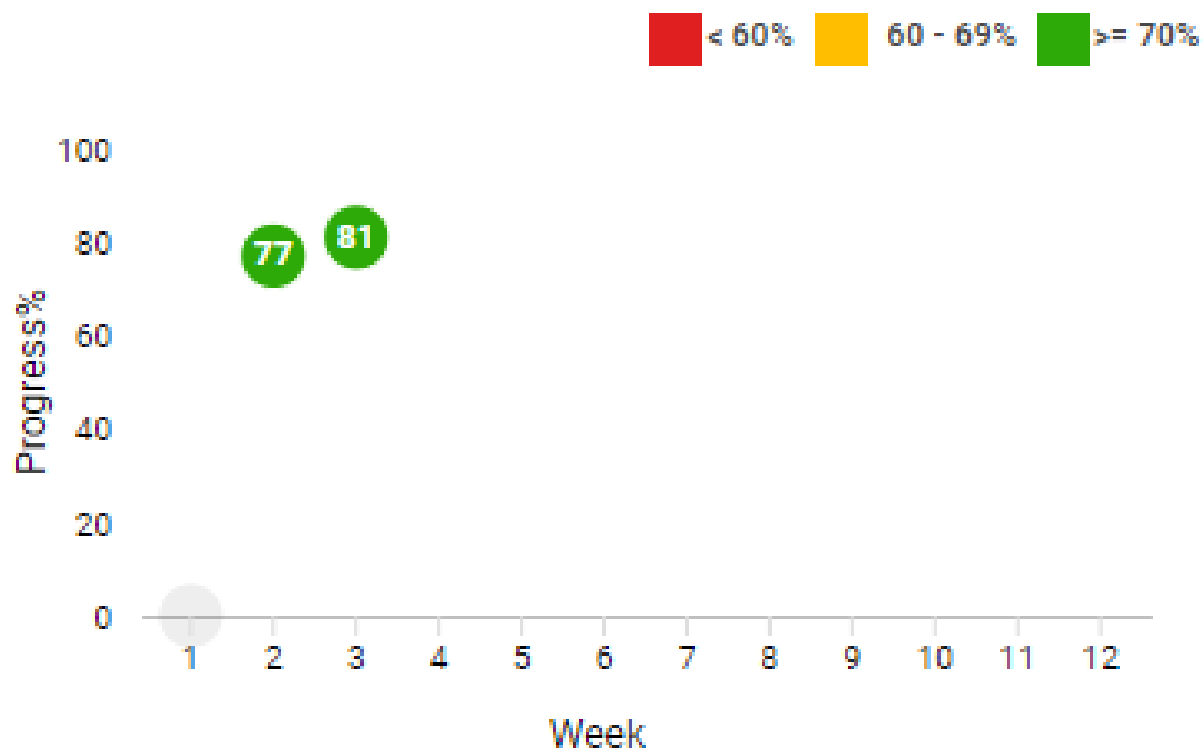


FIG 18: RAG

Chapter 05: CONCLUSION

I am still on the way doing my internship with the cognizant and I have learned so much from this internship offered by Cognizant, it really helped me in shaping my personality and equipping me with the knowledge of this technologies.

My Final internship project is still remaining with cognizant internship and I will give my best in doing the internship project.

I like to thanks in advance to the coaches, SME, mentor and trainer of cognizant who guided me through the whole journey of my internship in cognizant and solved all my doubts during the internship. The Coaches, SME, Mentor and trainer were all of good nature and at every moment helped me when I was doing wrong and shaped me during my whole internship.

Specially the my mentor gave his more effort during the internship and passed our all query to the higher authority in the company whether it was related to the reattempt of the assessment, technical issue faced in the assessment or providing extra time to complete the work.

I like thank you my TNP officer Mr. Pankaj Kumar and Faculty member Dr. Nafis U khan sir for their support and hard work during the whole placement process because I know how complex is the management of the placement drive.

References

- i) Cognizant Handbook**
- ii) Internship experience**
- iii) Assessments**
- iv) Cognizant's Internship Curriculum**