

# **Back-end Development Training at Engineering Innovation Research Lab Pvt ltd.**

*by*

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## **Introduction**

Back-end development means working on server-side software, which focuses on everything you cannot see on a website. Back-end developers ensure the website performs correctly, focusing on databases, back-end logic, application programming interface (APIs), architecture, and servers.

## **Report on the Present Investigation**

During the first month of my Back-end development internship, I have given a project “CUET” I was introduced to the basics of Software requirement specification and tools used in the Software requirement specification and data flow diagram. I have created the SRS of CUET project along with ER diagrams. My primary objective was to gain a solid understanding of how to start a project.

An SRS forms the basis of an organization's entire project. It sets out the framework that all the development teams will follow. It provides critical information to all the teams, including development, operations, quality assurance (QA) and maintenance, ensuring the teams are in agreement.

So far now, my 2 weeks of training has been already complete and my 3<sup>rd</sup> week training is going on.

## **Result and Discussion**

Result:

During the first month of my internship, I was able to gain a solid understanding of Software requirement specification, Data Flow diagrams and ER diagrams and apply this knowledge in creating a SRS of entire CUET project. The internship allowed me to know the most important requirements before developing a project and get hands-on experience.

Discussion:

The first month of my internship was focused on learning the basics requirement of a project and getting familiar with the Database and how entire project will work before creating a project. An SRS gave me a complete picture of your entire project. It provided a single source of truth that every team involved in development should follow. It was our plan of action and keep all our teams — from development and testing to maintenance — on the same page.

In addition to learning the basics of Software requirements, the first month of my internship also taught me the importance of planning and organization. I had to manage my time effectively and prioritize tasks to complete the projects within the given deadline. This experience was valuable in preparing me for future projects and challenges.

## **Conclusion**

The first month of my internship was a great introduction to Software requirement specification. I gained a solid understanding of how to start a project.

I am looking forward to learn new technologies and tools in the upcoming months.