



**GUJARAT TECHNOLOGICAL UNIVERSITY**  
(Established under Gujarat Act No. 20 of 2007)

ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી  
(ગુજરાત અધિનિયમ ક્રમાંક: ૨૦/૨૦૦૭ દ્વારા સ્થાપિત)

Enrollment no: 210280116082

**STUDENT'S WEEKLY RECORD OF INTERNSHIP**

**NAME OF STUDENT: VINAYAK TUSHARBHAI CHAVDA**

**DIARY OF THE WEEK: Dt: 03/02/2025 TO 07/02/2025**

**DEPARTMENT: INFORMATION TECHNOLOGY SEM: 8th**

**NAME OF THE ORGANISATION: BUCHANAN TECHNOLOGIES LLP**

**NAME OF THE PLANT/SECTION/DEPARTMENT: EMERGING TECHNOLOGIES**

**NAME OF OFFICER INCHARGE OF THE PLANT/SECTION/DEPARTMENT: HARDIK SHETH**

**DESCRIPTION OF THE WORK DONE IN BRIEF**

This week has been a productive and insightful learning journey. I began by developing a .NET Core Web API for a To-Do application and then integrated it with an ASP.NET Core MVC frontend, focusing on building a functional interface for users to interact with the API data. I successfully implemented basic CRUD operations and deepened my understanding of how to connect the frontend and backend in a full-stack application.

Next, I took a step further by writing unit tests for the API using Moq and xUnit, gaining hands-on experience in testing and ensuring the stability of my code. I also explored more advanced ASP.NET Core concepts through videos and tutorials, enhancing my overall knowledge of the framework.

While I encountered challenges, particularly with the code-first approach, I persisted in troubleshooting and learning from my mistakes. I spent some time experimenting with project workflows in ASP.NET MVC, which helped me understand how different components come together.

Towards the end of the week, I shifted gears and started working on a small project—an expense tracker. I made progress by creating basic pages for displaying and adding expense categories. Overall, the week was a mix of successes and learning opportunities, and I feel more confident in my abilities with ASP.NET Core and its ecosystem.



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**TOTAL HOURS: 40 HOURS**

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**SIGNATURE OF STUDENT**

★ The above entries are correct and the grading of work done by Trainee is  
**EXCELLENT / VERY GOOD / GOOD / FAIR / BELOW AVERAGE / POOR**

**Signature of Faculty Mentor**

**Signature of officer-in-charge  
of Dept. / Section / Plant**

**Date:**

**Date:**

★ **Grading of Work, for trainee may be given depending upon your judgement about  
his Punctuality, Regularity, Sincerity, Interest taken, Work done etc.**



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