



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: 17/01/2025 TO 31/01/2025

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, I focused on refining my skills with various tools and frameworks, tackling both existing issues and exploring new areas.

On **27 Jan**, I worked on fixing errors in previous code while diving deeper into SQL, learning about query types, attributes, and syntax for different problem-solving approaches. I also revisited key .NET concepts to strengthen my foundation.

By **28 Jan**, I successfully set up SQL Server Management Studio and explored the "Database First" approach. I built a simple CRUD application that interacts with a database, and also learned about Sessions in .NET, improving my understanding of how they work across the application.

On **29 Jan**, I started working with ASP.NET Core Web API, creating a basic API with multiple endpoints to understand the workflow. I also explored Swagger for API documentation and saw firsthand how it visualizes different API calls.

On **30 Jan**, without access to SQL Server Management Studio, I focused on learning ASP.NET Core Web API concepts through videos. I explored how to create APIs, handle requests, and use HttpClient to call APIs from the frontend.

Finally, on **31 Jan**, I applied the concepts I learned earlier in the week, integrating them into both the API and frontend. I tested API calls with Swagger to verify the incoming data and ensure everything was functioning correctly.

Overall, this week has been a mix of hands-on coding and expanding my knowledge in APIs, SQL, and .NET, setting a solid base for future tasks.



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TOTAL HOURS: 40 HOURS

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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