



SAL INSTITUTE OF TECHNOLOGY AND ENGINEERING RESEARCH

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Student's Weekly Report of Internship

Student Name:	Anshul Patel		
Enrollment Number:	210670107047		
Week Duration:	5 Days		
Name Of Organization:	OPL Innovate		
External Guide Name:	Deepak Vishwakarma		
External Guide Contact details:	Email:	Deepak.vishwakarma@oplinnovate.com	Mob No: 9827375391
Internal Faculty Guide Name:	Dr. Krishna Hingrajiya		

Work done in last Week with description (Attach supporting Documents Like Diagram, Screen Shot of each Work):

- 1.Security Implementation
- 2.API Documentation
- 3.API Endpoint Development

Plans for next week:

- 1.Enhance security features with OAuth integration.
- 2.Implement logging mechanisms for monitoring API requests.
- 3.Optimize API response times to improve frontend interactions.

Total Working Hrs: 40

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 External Guide with Company Seal:

Signature of Internal Guide:

Date:

Date:

API Development & Integration

Work Completed:

API Endpoint Development:

Created RESTful APIs for user registration, authentication, product management, and order processing.

Designed endpoints adhering to REST principles for consistency and scalability.

Security Implementation:

Integrated JWT-based authentication for secure API interactions.

Implemented role-based access control to restrict sensitive operations.

API Documentation:

Configured Swagger UI for comprehensive API documentation.

Provided sample request-response formats for easier testing.

Testing & Debugging:

Verified API functionality using Postman and automated test scripts.

Conducted load testing to analyze performance under high request volumes.

Future Plans:

Enhance security features with OAuth integration.

Implement logging mechanisms for monitoring API requests.

Optimize API response times to improve frontend interactions.