INTERNSHIP OFFER LETTER

PreDrag SYSTEM Digitally Yours.

10 March 2025

Internship Offer Letter

To,
Vaibhav Shingte

Dear Vaibhav ,

We are delighted to extend an offer to you for the position of Java Devloper Intern at PreDrag System LLP. We were impressed with your skills and enthusiasm during the interview process, and we believe that your contributions will add significant value to our team.

We are pleased to inform you that this internship comes with a compensation package. During the period of your Internship, You will get a stipend of Rs. 5,000/- per month. You will be paid for your valuable contributions to the team. Additionally, students participating in our internship program may be eligible for certain benefits.

Your primary responsibilities will encompass research and development, as well as design. and development for projects. Your internship is scheduled to commence on 10 March 2025, and will run through 10 July 2025. During this period, you are expected to work approximately 40 hours per week.

We warmly welcome you to the PreDrag System LLP team and anticipate a fruitful and rewarding collaboration. If you have any questions or require further clarification, please feel free to reach out.
Best regards,

Ms.Chamnar G.V.
HR Head

+91 7796773232
info@predragsystem.in
49, Tanaya Heights, Shivne, Pune 411023
www.predragsystem.in

INTERNSHIP COMPLETION LETTER

20 June 2025

INTERNSHIP COMPLETION LETTER

To Whom It May Concern,

This is to certify that **Mr. Vaibhav Vyenkatrao Shingte**, a student of **MGM's College Of Engineering, Nanded** has successfully completed his internship at **PreDrag System LLP**. as a **Java Intern** from **10th March 2025** to **20th July 2025**.

During this period, Rahul was involved in various development activities such as assisting in the design and implementation of web applications, debugging code, testing new features, and working with databases. He showed a strong grasp of technologies like Java, Spring Boot, MySql and contributed effectively to our ongoing projects.

We found him to be a quick learner, sincere, and highly enthusiastic about taking on new challenges. His technical and problem-solving skills have made a positive impact on our development team.

We wish him continued success in all his future endeavors.

Sincerely,
Miss. Gaytri C.
HR Head
PreDrag System LLP

+91 7796773232
Sai Bhavan, Anand Nagar, Nanded
info@predragsystem.in
www.predragsystem.in

ACKNOWLEDGEMENT

I would like to express my deepest gratitude to my project guide, Ms. Kale. J. S for her invaluable support, guidance, and encouragement throughout this project. Her profound knowledge and expertise have been instrumental in the successful completion of this work. Her patience and willingness to assist me at every step have greatly enriched my learning experience. Her constructive feedback and insightful suggestions have not only helped me overcome challenges but also motivated me to strive for excellence.

I gladly take this opportunity to thank Dr. A. M. Rajurkar (Head of Computer Science & Engineering, MGM's College of Engineering, Nanded). We are heartily thankful to Dr. G. S. Lathkar (Director, MGM's College of Engineering, Nanded) for providing facilities during the progress of the project and also for her kind help, guidance and inspiration. Last but not least, we are also thankful to all those who helped, directly or indirectly, develop this project and complete it successfully.

With Deep Reverence,

VAIBHAV SHINGTE

[B.Tech CSE-B]

ABSTRACT

The Jewellery Shop Management System is a comprehensive and user-friendly software solution designed to streamline and automate the operations of a jewellery retail store. The primary objective of this system is to facilitate efficient handling of inventory, sales, customer records, billing, and reporting, thereby reducing manual efforts and minimizing errors.

Developed using modern web technologies, the system offers modules for product catalog management, customer database, sales transactions, order tracking, and staff management. It enables real-time monitoring of stock levels, simplifies pricing and discount management, and ensures secure data handling through proper authentication and authorization mechanisms. This system enhances customer service by providing quick access to product information and generating accurate invoices. It also supports analytical reporting, which helps in tracking sales performance and inventory turnover. With a focus on usability, performance, and reliability, the Jewellery Shop Management System is an ideal solution for modern jewellery businesses aiming for digital transformation and operational efficiency.

TABLE OF CONTENT

Sr. No.		CHAPTER	Page No.
		Internship offer Letter	**I**
		Internship Completion Letter	**II**
		Acknowledgement	**III**
		Abstract	**IV**
		Table of Content	**V**
		List of Figures	**VII**
		Software Requirement Specification	
1.		**Introduction**	1
	1.1	Background	1
	1.2	Objective of the Project	2
	1.3	Scope of the Project	4
	1.4	Problem Definition	5
2.		**System Analysis & Structural Design**	10
	2.1	Entity Relationship Diagram (ERD)	10
	2.2	Key Entities and Attributes	12
	2.3	Relationship Between Entities	13
3.		**System Development and Technology Integration**	17
	3.1	Overview	17

	3.2	Tools and Technologies Used	20
	3.3	Front-End	21
	3.4	Backend	24
4.		**System Implimentation**	26
	4.1	Introduction to Implementation	22
	4.2	Scope and Goal of Implementation in JMS	23
	4.3	Frontend Implementation	24
	4.4	Backend Implementation	30
	4.5	Database Design and Connectivity	32
	4.6	Testing and Debugging	36
	4.7	Data Validation and Input Handling	41
5.		**System Evaluation & Result Analysis**	43
	5.1	Income and Expense Model	43
	5.2	Loan Section Dashboard and New Loan	45
	5.3	Invoice Generation	48
	5.4	Add Customer Info and Customer Details	51
	5.5	Add New Entry and Purchase Details	54
		CONCLUSION	60
		REFERENCES	61

List of Figures

Figure Number	Title	Page no
1.1	Key Aspects of UI/UX Design	3
1.2	Project Scope	4
1.3	Project Objectives	8
2.1	Entity Relationship Diagram	11
3.1	Home Page	23
4.1	Software Development Life Cycle (SDLC)	26
4.2	Login Page	28
4.3	Dashboard	29
4.4	Billing Page	30
4.5	Database in MySQL	34
4.6	Database Connectivity With System	36
4.7	Debugging	38
4.8	Error In Database Connectivity	40
4.9	Resolved Database Connectivity Error	41
5.1	Income and Expense	44
5.2	Add New Loan	46
5.3	Loan Management	47
5.4	Invoice Generator	49
5.5	Generated Invoice	50
5.6	Invoice to PDF	50
5.7	Adding Customer Info	52

5.8	**Customer Details**	**53**
5.9	**Add New Entry**	**56**
5.10	**Edit Customer Purchase**	**57**
5.11	**Edit Purchase Details**	**58**