

**Government of Karnataka**

**Department of Collegiate & Technical Education**

**GOVERNMENT POLYTECHNIC**

**CHITRADURGA – 577501**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**



**2023-24**

**CERTIFICATE**

*This is to certify that* ***SHESHAGIRI S (149CS21046), DIVYA J (149CS21021), DILEEP P (149CS21020), DHANYASHREE (149CS21019)*** *have successfully completed the* ***“PROJECT ON FULLSTACK DEVELOPMENT”*** *for the project work titled* ***“INVENTORY MANAGEMENT SYSTEM ”*** *under the course* ***“FULLSTACK DEVELOPMENT”*** *of 6th Semester in* ***“DIPLOMA IN COMPUTER SCIENCE & ENGINEERING”***

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Cohort owner Sign: Program coordinator Sign: Principal Sign**

**Mrs. Nayana R, BE, Mtech****Mr. Suresh****T S,** **BE, Mtech****Mr. B Ramesh, BE, Mtech**

**Govt. Polytechnic, CTA Govt. Polytechnic, CTA Govt. Polytechnic, CTA**

**EXTERNAL VIVA**

**EXAMINERS: Signature With Date**

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**DECLARATION**

**Dear Cohort Owner,**

We the undersigned members of the **INVENTORY MANAGEMENT SYSTEM** project team, hereby declare that we have worked on the project as part of our final semester project. The members of our team are **Sheshagiri S (Reg No: 149CS21046), Divya J (Reg No: 149CS21021), Dileep P (Reg No: 149CS21020) and Dhanayashree (Reg No: 149CS21019).**

We Confirm that the project work submitted by us is original and authentic. We have not plagiarized any content or used any unauthorized materials. We have conducted sentiment analysis on hospital reviews and have used appropriate technique to analyze the data.

We have completed the project work to the best of our abilities and have adhered to the project guidelines. We have also reviewed and edited the project work to ensure that it meets the required standards and is free of errors.

We declare that the work presented by us is our own and that we have not received any assistance from any other person or entity.

**Thank you for your time and consideration.**

**Sincerely,**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**ACKNOWLEDGEMENT**

I would like to express my heartfelt gratitude to the **Department of Technical Education** for providing me with the necessary resources and guidance throughout the duration of this project. Their continuous support and encouragement have played a pivotal role in shaping my understanding of **INVENTORY MANAGEMENT SYSTEM.**

I extend my sincere appreciation to our respected **Principal**, **Mr. B Ramesh**, whose unwavering belief in the potential of students has inspired us to strive for excellence. Their vision and leadership have created an environment conducive to learning and innovation.

I am deeply grateful to the **Head of the Department of Computer Science, Mr. Suresh T S**, for their valuable insights and expertise. Their guidance and mentorship have been instrumental in refining my understanding of the subject matter and enhancing my technical skills.

Finally, I would like to thank the **Cohort Owner, Mrs. Nayana R**, for fostering a nurturing and inclusive learning environment. Their commitment to our growth and development has been instrumental in shaping our skills and fostering a sense of camaraderie among the project participants.

I would like to extend my heartfelt thanks to my parents and well-wishers for their constant encouragement and unwavering support. Their love, belief, and sacrifices have been the driving force behind my success in this project.

I am immensely grateful to my friends, whose constant support and collaborative spirit have made this journey truly enjoyable. Their willingness to share knowledge, brainstorm ideas, and offer constructive feedback has been invaluable in shaping the outcome of this project.

I am truly humbled and grateful for the collective support and contributions of all the individuals mentioned above. Without their guidance, encouragement, and belief in my abilities, this project would not have been possible.

**SINCERELY,**

**Sheshagiri S**

**Divya J**

**Dileep p**

**Dhanyashree A P**

**EXECUTIVE SUMMARY**

This project report details the development and implementation of an Inventory Management System (IMS) designed to address the critical need for efficient inventory control within our organization. The IMS aims to replace manual processes with a robust, centralized system, optimizing inventory management practices and fostering data-driven decision-making.

* **Enhanced Visibility and Control:** Achieve real-time visibility into inventory levels, enabling proactive stock management and minimizing stock-outs or overstocking situations.
* **Improved Efficiency:** Streamline inventory management processes, including purchase order generation, order fulfillment, and data reporting.
* **Data-Driven Decisions:** Generate comprehensive reports for in-depth analysis of inventory trends, sales performance, and supplier data, facilitating informed business decisions.
* **Reduced Costs:** Optimize inventory levels to minimize carrying costs and potential losses from outdated stock.
* **Increased Customer Satisfaction (Optional):** Enhance order fulfillment efficiency and on-time delivery rates for improved customer satisfaction (applicable if sales management is included).
* **Improved Inventory Accuracy:** Real-time inventory tracking minimizes discrepancies and ensures accurate data for informed decisions.
* **Improved Supplier Relationships (Optional):** Manage supplier information effectively and track performance data to foster stronger partnerships (applicable with supplier management).