

# **HNDIT2062– ICT Project ( Group )**

## **Enhancing Orio's Management System**

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## Introduction

*The ice cream products are distributed by the main branch of Oreo Ice Cream located at 352, Colombo Road, Pilimathalawa. They sell this Oreo ice cream in their own branch in Kandy city. Their other branches are located all over Sri Lanka. According to Mr. P. K. Dikkumbura, the owner of this Oreo ice cream company, this is being run as a responsible company.*

*At the Kandy Institute of Advanced Technology, we are studying Information Technology for our group project and are working with this Kandy Oreo Ice Cream branch to create a management system for that branch. We do it in consultation with the owner. Our aim is to computerize information for their convenience and help them improve their business.*



## Background & Motivation

*In OriO Ice cream Management System, our motivation is deeply rooted in addressing the challenges faced by ice cream shop owners. We are driven by a commitment to simplify their operations, alleviate common pain points, and ultimately foster success in the industry. From streamlining inventory management to enhancing customer engagement, our goal is to empower shop owners with the tools they need to thrive in a competitive market. We believe that by providing a seamless and efficient management solution, we can contribute to the growth and sustainability of ice cream businesses while ensuring that every customer interaction is filled with joy and satisfaction.*

[illegible]

*Our background in developing OriO Ice cream stems from a passion for ice cream and a dedication to making a positive impact in the industry. Through extensive research and industry insights, we've honed our understanding of the unique needs and challenges faced by ice cream shop owners. This background knowledge has driven our innovation and creativity, leading us to develop OriO Ice cream—a solution that combines advanced technology with user-friendly design to revolutionize the way ice cream shops operate. With OriO Ice cream, we're not just offering a management system; we're offering a partner in success for ice cream shop owners everywhere.*

## Goal, Objectives and Scope of the project

*The aim of Orio ice cream management system is to streamline operations and enhance efficiency in various aspects of the business, including inventory management, sales tracking, employee scheduling, customer management, and financial reporting. It helps optimize processes, reduce errors, improve customer service, and ultimately increase profitability for the Orio ice cream shop.*

*The objectives of Orio ice cream management system typically include:*

1. *Efficient inventory management.*
2. *Accurate sales tracking.*
3. *Streamlined employee scheduling.*
4. *Enhanced customer management.*

*The scope of Orio ice cream management system encompasses various functional areas and features aimed at optimizing the operations of the shop.*

## Proposed Solution

Introducing OriO Icecream Management System—. Our system will streamline day-to-day tasks, optimize inventory management, enhance customer engagement, and provide valuable insights to drive business growth.

### Key Features:

#### -Efficient Inventory Management:

Keep track of stock levels, ingredients, and supplies in real-time to prevent shortages and minimize waste.

#### Sales Tracking and Analysis:

Monitor sales trends, identify popular items, and analyze performance to make informed business decisions.

#### User-Friendly Interface:

Intuitive design and easy-to-use functionalities ensure smooth operations for shop owners, managers, and staff.

#### Customizable Solutions:

Tailor the system to fit the unique needs and preferences of each ice cream shop, from small artisanal shops to large franchises.

With OriO Icecream Management System, we aim to empower ice cream shop owners with the tools they need to succeed in a competitive market while delighting customers with a seamless and enjoyable experience.

## Resource Requirements

### Software Requirements:

#### *Development Team:*

- Java developers proficient in NetBeans IDE

#### Database Management System:

- MySQL

#### Operating System:

- developer: Windows
- Clients: Windows 10/11

### Hardware Requirements:

#### Developer machines

- Processor: Intel Core i5 or equivalent
- RAM: 8GB or higher

- Storage: SSD with at least 256GB

- Network: Gigabit Ethernet

#### Client Machines:

- Processor: Intel Core i3 or equivalent

- RAM: 4GB or higher

- Storage: HDD or SSD with at least 128GB

- Network: Ethernet/Wi-Fi connectivity

### Project Plan

	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th
Client meeting and project proposal	■											
Planning and schematics		■										
System design overview			■									
Coding and Implementing the design(Forms)				■								
Create Menu form, Account form and Login form					■							
Creating ItemsEdit form						■						
Scheming order form and required							■					





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