**Enterprise Resource Planning (ERP) System for Mount Kenya Bottlers – Coca-Cola Division**

**Presented by:**  
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**Opening Statement**

*"Good morning members of the board,"*

*"My name is Gadafi Imran, and I am currently serving as an intern within the ICT Department at Mount Kenya Bottlers. Today, I am honored to present a detailed overview of the custom Enterprise Resource Planning (ERP) system that I have been developing and testing, specifically tailored for our Coca-Cola production and distribution operations here in Nyeri."*

**Purpose of the ERP System**

**Primary Goals:**

* To centralize company operations into one unified platform
* To digitize and automate manual processes
* To improve transparency and reporting across departments
* To support management in real-time decision-making

**Why Now?**

* Rapid business growth requires scalable systems
* Increasing need for data-driven planning
* Alignment with Coca-Cola global standards of operational excellence

**ERP System Architecture**

**The ERP System Includes the Following Key Modules:**

1. **Product & Inventory Management**
   * Tracks raw material levels, packaging materials, and finished goods in real time
   * Manages batch numbers, expiry dates, and FIFO/LIFO logic
   * Alerts on low stock levels and expiry risks
2. **Production Management**
   * Schedules production runs based on demand forecasts
   * Monitors usage of ingredients per recipe (Bill of Materials)
   * Tracks equipment utilization and downtimes
3. **Sales & Distribution**
   * Customer relationship management
   * Order placement, delivery scheduling, and invoicing
   * Route planning for distribution fleets
4. **Finance & Accounting**
   * Tracks expenses, income, assets, and liabilities
   * Automates payroll, tax computations, and statutory deductions
   * Generates P&L, balance sheets, and cash flow statements
5. **Human Resource Management**
   * Employee profiles, contracts, and department mapping
   * Leave management, attendance tracking, and overtime requests
   * Payroll integration with local compliance
6. **Reporting & Analytics**
   * Dashboards for executive overview
   * Custom reports for departmental analysis
   * Predictive analysis using historical data trends

**Key Benefits to Mount Kenya Bottlers**

| **Benefit** | **Impact on Business** |
| --- | --- |
| **Real-time Visibility** | Up-to-date insights on all operations |
| **Cost Reduction** | Eliminates redundant processes |
| **Enhanced Efficiency** | Reduces manual errors and duplication |
| **Better Inventory Control** | Reduces losses and prevents overstocking |
| **Improved Customer Service** | Fast order processing and fulfillment |
| **Compliance & Accuracy** | Built-in validation ensures accuracy |

**Technology Stack**

**Backend:** Python / Django Framework  
**Frontend:** HTML5, CSS3, JavaScript (Bootstrap UI)  
**Database:** PostgreSQL  
**Deployment:** Can be hosted on-premise or cloud-based  
**Security:** Password-protected access with audit trails and role-based permissions

**Implementation Plan**

**Phase 1: Inventory & Production Management**

* Pilot within Coca-Cola bottling plant
* Train warehouse and production staff
* Monitor system feedback and fine-tune

**Phase 2: Sales, Finance & HR Modules**

* Onboard sales team and accountants
* Integrate payroll and finance reports
* Staff sensitization and continuous training

**Phase 3: Reporting & Analytics Integration**

* Executive dashboards
* Forecasting tools
* Business Intelligence setup

**Challenges & Solutions**

|  |  |
| --- | --- |
| **Challenge** | **Proposed Solution** |
| User resistance to new tech | Staff training & change management |
| Data migration from legacy | Use of import scripts and data mapping |
| Internet downtime (rural setup) | Local hosting with backup synchronization |
| Security risks | User roles, encryption, and regular audits |

**Demo Screenshots (Optional Slide)**

* Dashboard view
* Inventory listing
* Sales order creation
* Employee management
* Real-time production tracking

*(Screenshots or mockups can be shown here to give a visual idea.)*

**Conclusion**

*"In summary, this ERP system provides an integrated digital foundation for Mount Kenya Bottlers’ continued growth and success. It is tailored to our unique processes, scalable for future needs, and aligned with Coca-Cola’s global operational standards. As an intern, I have appreciated the opportunity to work on this initiative and contribute meaningfully to the company."*

*"I welcome any questions, suggestions, or feedback from the board. Thank you."*