



Thinkin Lab®

AI | Robotics | IoT | 3D Printing | Coding Academy

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Quotation

Product : WorkSync – QR-Based Production Tracking & Efficiency Web Application

Client: K H EXPORTS INDIA PRIVATE LIMITED (LEATHER PRODUCTS DIVISION)

Prepared By: Thinkin Lab

Date: 04-12-2015

1. Project Summary

Thinkin Lab will develop a complete **QR-based Production Tracking & Efficiency Monitoring System**.

This system allows the factory to track:

- Hourly production
- Materials issued & used
- Forwarding between stages
- Daily output per employee
- Line performance
- Employee efficiency
- Line efficiency
- Daily target achievement

Everything works using:

- QR Codes
- Mobile Web App
- A Central Server (Local RPi or Cloud)

No hardware or sensors required.

2. Web Application Structure (10 Pages Total)

A. Supervisor Web App (6 Pages)

1. **Login Page**
2. **Home Page** (Assign Work, Hourly Update, Material Entry, Shift Summary)
3. **Assign Work Page**
4. **Hourly Production Update Page**
5. **Material Tracking Page**
6. **End-of-Shift Summary Page**

B. Manager Dashboard (4 Pages)

7. **Manager Login Page**
 8. **Live Dashboard**
 9. **Reports Page**
 10. **Settings / Master Configuration Page**
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3. Services Included

Thinkin Lab will provide:

✓ Web Application Development

(10 Pages – Supervisor + Manager)

✓ QR Code Scan Function (using mobile camera)

✓ Backend API & Database Development

(Employee, Task, Line, Material, Hourly Logs, Efficiency)

✓ Efficiency & Target Calculation Engine

✓ Material Tracking System

✓ End-of-Shift Processing Logic

✓ Server Setup

Option A: Raspberry Pi (client-provided)

Option B: Cloud hosting (your domain/server)

✓ **Testing & Deployment**

For stable production use

✓ **Staff Training**

Supervisors + Managers

✓ **Support**

Bug fixes + minor adjustments

4. Project Cost

● **Option A – Local Server (Raspberry Pi Provided)**

Project Cost: ₹ 60,000 + 18% GST

Total Amount: ₹ 70,800

● **Option B – Cloud Server (Online Access)**

Project Cost: ₹ 80,000 + 18% GST

Total Amount: ₹ 94,400

Recurring Cloud Charges (If Cloud Hosting Chosen):

- Cloud Server Hosting: ₹ 700 – 1,200 / month
 - Domain + SSL: ₹ 2,000 – 4,000 / year
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5. Payment Terms

- **40%** – Project Start
 - **30%** – After Supervisor App Completion
 - **20%** – After Manager Dashboard Completion
 - **10%** – Deployment & Training
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6. Project Duration

Estimated time for development & deployment: **6–8 weeks**