

K - MECH

The

O

R

I

G

I

N



Kanishka Bandara
The Founder

Kanishka Bandara's journey into the world of technology began at a young age, fueled by a deep fascination with computers and engineering. After obtaining a strong academic foundation in Computer Science and Engineering, Mr. Bandara embarked on a professional career, spending two years at a leading tech company. During this time, he honed his technical skills, gained invaluable industry insights, and developed a forward-thinking mindset focused on innovation.

With his expertise, passion, and a clear vision for the future, Mr. Bandara set out on a new mission—one that would not only push the boundaries of technological advancement but also address some of the most pressing global challenges. This vision laid the foundation for what would later become K-MECH (PVT) LTD, a company committed to using technology as a force for positive change.

ESTABLISHMENT

In 2020, amidst a rapidly evolving technological landscape, Mr. Bandara took a bold step and founded K-MECH (PVT) LTD (PV-00307511). His vision was to build a company that would harness the power of technology to solve real-world problems, offering robust and innovative solutions to industries worldwide.

K-MECH was established with core values rooted in innovation, reliability, excellence, and a commitment to delivering extraordinary results. From the outset, the company set its sights on providing robust and tough solutions, aimed at addressing contemporary challenges in industries such as agriculture, healthcare, education, and regional development.

Under Mr. Bandara's leadership, K-MECH (PVT) LTD continues to grow, pushing the boundaries of what's possible in the fields of IoT, AI, ERP, and OS, all while maintaining its mission to drive meaningful change for the betterment of humanity.

Company Registration Number - PV 00307511

V I S I O N

K-MECH envisions a transformative future, with excellence in IoT, ERP, AI, OS, AR, VR, Cloud Computing, Satellite Communication, Smart Devices, and R&D, driving innovation for a more connected world.

Internet of Things (IoT)

Smart, interconnected systems enabling real-time automation and decision making.

Enterprise Resource Planning (ERP)

Powerful business process management tools tailored for operational control and efficiency.

Artificial Intelligence (AI)

Intelligent algorithms that learn, adapt, and automate complex tasks.

Operating Systems (OS)

Low-level control systems customized for high-performance industrial and embedded applications.

Augmented Reality (AR) & Virtual Reality (VR)

Immersive solutions for training, simulation, and next-gen user experiences

Cloud Computing

Scalable, secure infrastructure for data storage, services, and collaboration.

Satellite Communication

Advanced communication systems for remote connectivity and high reliability transmissions.

Smart Devices

Integrated hardware and software solutions for real-time data processing and control.

Research & Development (R&D)

Constant exploration and innovation across technology domains to solve tomorrow's problems, today.

We aim to engineer the future — with precision, passion, and purpose

LEADERSHIP



KANISHKA BANDARA

Founder & CEO
K-MECH (PVT) LTD

Recognized for excellence in Robotics & Internet
of Things

(Island-wide 2nd Place – Technosoft IoT
Innovation Challenge, 2018)

BOARD OF DIRECTORS

NON-EXECUTIVE DIRECTORS (NEDs)



IMALI ASANTHA

Non-Executive Director (NED)
K-MECH (PVT) LTD

Based in the United Kingdom

Bringing strategic oversight, governance expertise, and an international perspective to the board.



DINESH RATHNAYAKE

Non-Executive Director (NED)
Research & Development
K-MECH (PVT) LTD

Based in Israel

Former R&D Director with extensive expertise in innovation, guiding K-MECH's strategic research initiatives from a global perspective.



ASANKA BANDARA

Non-Executive Director (NED)
K-MECH (PVT) LTD

Managing Director – Madulsima Exports (Pvt) Ltd

Bringing entrepreneurial experience and business insight from the export sector to support K-MECH's growth and strategic direction.

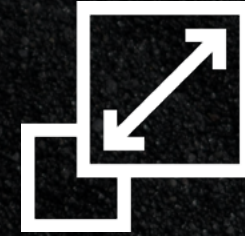
INNOVATING FOR A **BETTER** *TOMORROW*

We envision a future where cutting-edge technology empowers businesses and individuals to achieve greater efficiency, productivity, and success. Through relentless innovation and dedication to excellence, we strive to make this vision a reality.



INNOVATIVE SOLUTIONS

Stay Ahead Of The Curve With Our Cutting-Edge Technology. We Continuously Innovate To Provide You With The Latest Advancements, Keeping Your Business Competitive In A Fast-Paced World.



SCALABLE OPTIONS

Whether You are A Small Business Or A Large Enterprise, Our Solutions Are Designed To Scale With Your Needs. Flexibility And Growth Are At The Heart Of Our Offerings.



UNMATCHED PERFORMANCE

Experience Top-Tier Technology With Solutions Designed To Deliver Maximum Efficiency And Reliability. Our Systems Are Built To Exceed Industry Standards, Ensuring Exceptional Performance.



CUSTOMER SUPPORT

Our Commitment To You Doesn't End At Deployment. Enjoy 24/7 Customer Support With Dedicated Specialists Ready To Assist You With Any Questions Or Issues That Arise.

RAW MATERIALS

IoT

ERP

AI

AR

OS

OF K-MECH

**CLOUD
COMPUTING**

**SMART
DEVICES**

VR

**SATELLITE
COMMUNICATION**

R&D

M I L E S

T O N E S

ERP SYSTEM FOR REITZEL WALKER

CLIENT : REITZEL GROUP

SCOPE : IOT SMART HARVESTING SOLUTION

OBJECTIVE : To enhance efficiency and reliability in harvesting operations, even in rugged conditions

K-MECH (PVT) LTD proudly presents the resilient IoT Smart Harvesting solution, designed to perform in the most challenging environments. This innovative project, in collaboration with Mr. Bernard Poupon, President of Reitzel Group, exemplifies our commitment to creating robust solutions that meet the demanding needs of the agricultural industry.

K-MECH (PVT) LTD has partnered with Reitzel Walker to implement a state-of-the-art ERP system that revolutionizes their operational efficiency. This project showcases our expertise in integrating advanced technology into business processes to enhance productivity and streamline operations.

PROJECT HIGHLIGHTS

Bluetooth Scale
Technology

Ensures precise measurements and data collection, vital for optimal harvesting.

Robust Offline Processes

Guarantees continuous operation and data integrity, even in areas with limited connectivity.

Durable Design

Built to withstand harsh environments, ensuring long-term reliability and performance.

KEY FEATURES

Real-Time Monitoring

Provides instant insights into harvesting operations, enabling quick adjustments and decision-making.

Data Synchronization

Seamlessly syncs data once connectivity is restored, ensuring no loss of critical information.

User-Centric Design

Easy to use and integrate with existing systems, minimizing the learning curve for operators.

K-MECH is proud to highlight our successful ERP system implementation for Reitzel Walker, a leading name in the industry. This project showcases our expertise in delivering comprehensive, tailored solutions that enhance business operations and drive efficiency.



Mr. Bernard Poupon, President of Reitzel Group, demonstrating the IoT Smart Harvesting solution.



The K-MECH team showcasing the Bluetooth scale technology

WEB-BASED REVENUE MANAGEMENT SYSTEM FOR BADULLA MUNICIPAL COUNCIL

CLIENT : BADULLA MUNICIPAL COUNCIL

INDUSTRY : MUNICIPAL SERVICES

K-MECH (PVT) LTD is excited to announce the successful launch of the Web-based Revenue Management System and a new website for the Badulla Municipal Council. This initiative, designed to enhance municipal services for the residents of Badulla City, was unveiled with the esteemed participation of Hon. Governor AJM Muzammil and other distinguished guests.

PROJECT HIGHLIGHTS

Comprehensive Revenue Management System	Developed a web-based system to streamline revenue collection, management, and reporting for the municipal council.
User-Friendly Website	Designed a new, intuitive website to facilitate easy access to municipal services and information for the residents.
Public Launch Event	The system and website were launched at a public event attended by Hon. Governor AJM Muzammil and other notable guests, highlighting the significance of this development for the community.

KEY FEATURES

Efficient Revenue Collection	Automated processes for tax collection, fee payments, and other revenue streams, ensuring efficiency and transparency.
Enhanced Accessibility	Residents can now easily access municipal services online, reducing the need for in-person visits and streamlining service delivery.
Real-Time Data and Reporting	Provides municipal officials with real-time data and reporting capabilities, enabling better decision-making and resource management.



Hon. Governor AJM Muzammil at the launch event.

"The new web-based revenue management system and website developed by K-MECH have transformed our municipal services. The system's efficiency and the website's accessibility have greatly benefited the residents of Badulla. We are grateful for K-MECH's expertise and dedication."

Hon. Governor AJM Muzammil, Badulla Municipal Council



ANDROID APPLICATION DEVELOPMENT PROGRAM FOR MONERAGALA DISTRICT SECRETARIAT

CLIENT : MONERAGALA DISTRICT
SECRETARIAT

INDUSTRY : GOVERNMENT/IT TRAINING

K-MECH (PVT) LTD is pleased to highlight our successful training program on Android application development conducted for the IT officers of the Moneragala District Secretariat. This program, which covered the Android Operating System up to version 4.1, aimed to enhance the technical skills of the district's IT personnel, equipping them with the knowledge needed to develop robust Android applications.

PROJECT HIGHLIGHTS

Comprehensive Training

Provided in-depth training on Android application development, covering the essentials and advanced features up to Android version 4.1.

Skill Enhancement

Focused on enhancing the technical capabilities of IT officers, enabling them to develop and manage Android applications effectively.

Interactive Sessions

Included practical, hands-on sessions where participants could apply their learning in real-time scenarios.

KEY FEATURES

Detailed Curriculum

Covered key topics such as Android architecture, UI/UX design, data storage, network communication, and debugging.

Experienced Instructors

Training conducted by experienced professionals with extensive knowledge in Android development.

Certification

Participants received certificates upon successful completion of the program, recognizing their new skills and competencies.

"The Android application development training provided by K-MECH was highly informative and practical. It has greatly enhanced our IT officers' capabilities, enabling them to develop and manage Android applications with confidence. We appreciate the effort and expertise of the K-MECH team."

Moneragala District Secretariat



Participants engaged in a hands-on session during the training.



ADVANCED ONLINE BOOKING SYSTEM FOR RAVANA ADVENTURE PARK - ELLA

CLIENT : RAVANA ADVENTURE PARK - ELLA

INDUSTRY : HOSPITALITY AND TOURISM

K-MECH (PVT) LTD is proud to have adeptly engineered an advanced online booking system and comprehensive hotel management platform specifically tailored for Ravana Adventure Park - Ella. This project, a significant milestone in our portfolio, highlights our capability to deliver customized solutions that enhance operational efficiency and customer experience.

PROJECT HIGHLIGHTS

Online Booking System

Developed a user-friendly and efficient online booking system that allows customers to make reservations seamlessly.

Hotel Management Platform

Created an integrated hotel management platform to streamline operations, from booking to check-out, and improve overall service delivery.

Collaboration with Experts

The project was greatly enhanced by the expertise and contributions of the esteemed founders, Mr. R.M.C.R Rathnayake, and the distinguished Chief Consultant, Mr. BRM Fernando, Former Regimental Sergeant Major Commando.

KEY FEATURES

User-Friendly Interface

Designed an intuitive interface for both the booking system and the management platform, ensuring ease of use for staff and customers alike.

Real-Time Availability

Implemented real-time availability updates and booking confirmations to enhance customer satisfaction.

Comprehensive Management Tools

Provided tools for managing reservations, guest information, billing, and reporting, enabling efficient hotel operations.



Mr. BRM Fernando and Mr. R.M.C.R Rathnayake with the K-MECH team during the project collaboration.

"The online booking system and hotel management platform developed by K-MECH have transformed our operations at Ravana Adventure Park - Ella. The systems are efficient, user-friendly, and have greatly enhanced our guest experience. We are grateful for the exceptional work done by K-MECH and the invaluable contributions of our founders and consultants."

Ravana Adventure Park - Ella

INSIGHTS

At K-MECH (PVT) LTD, we pride ourselves on leveraging cutting-edge technology to drive transformative solutions across multiple industries. Our deep understanding of key sectors allows us to offer customized services that help businesses thrive in the digital era. With a focus on delivering impactful innovations, K-MECH continues to push the boundaries of what's possible in today's fast-evolving landscape.



AGRICULTURE

Smarter, Sustainable Farming

Our IoT-enabled solutions for agriculture optimize resource use, enhance productivity, and promote sustainable practices. From precision farming to real-time soil monitoring, K-MECH empowers farmers to make data-driven decisions, resulting in increased yields and reduced environmental impact.



TOURISM & HOSPITALITY

Enhancing Guest Experiences

In the tourism and hospitality sector, K-MECH provides solutions that elevate guest experiences and streamline operations. From advanced booking systems to immersive VR experiences, we enable businesses to stay ahead of customer demands and create unforgettable experiences.



FINANCE

Powering Digital Transformation

The finance industry is evolving rapidly, and K-MECH is at the forefront of that change. Our secure cloud-based ERP systems, data analytics tools, and AI-powered insights help financial institutions enhance operational efficiency, security, and customer engagement.



TRANSPORT

Driving Efficiency and Innovation

K-MECH brings innovative solutions to the transport industry, offering IoT-driven fleet management systems, real-time GPS tracking, and smart logistics platforms. These technologies ensure more efficient operations, reduced costs, and improved customer service.



HEALTH

Revolutionizing Patient Care

K-MECH is transforming healthcare through advanced technologies that enhance patient outcomes and streamline administrative processes. From telemedicine platforms to AI-powered diagnostics, our solutions help medical professionals deliver better care with greater efficiency.



EDUCATION

Interactive, Future-Focused Learning

We believe in the power of technology to revolutionize education. K-MECH's e-learning platforms, virtual classrooms, and AI-driven personalized learning tools create dynamic and engaging learning environments that prepare students for the future.

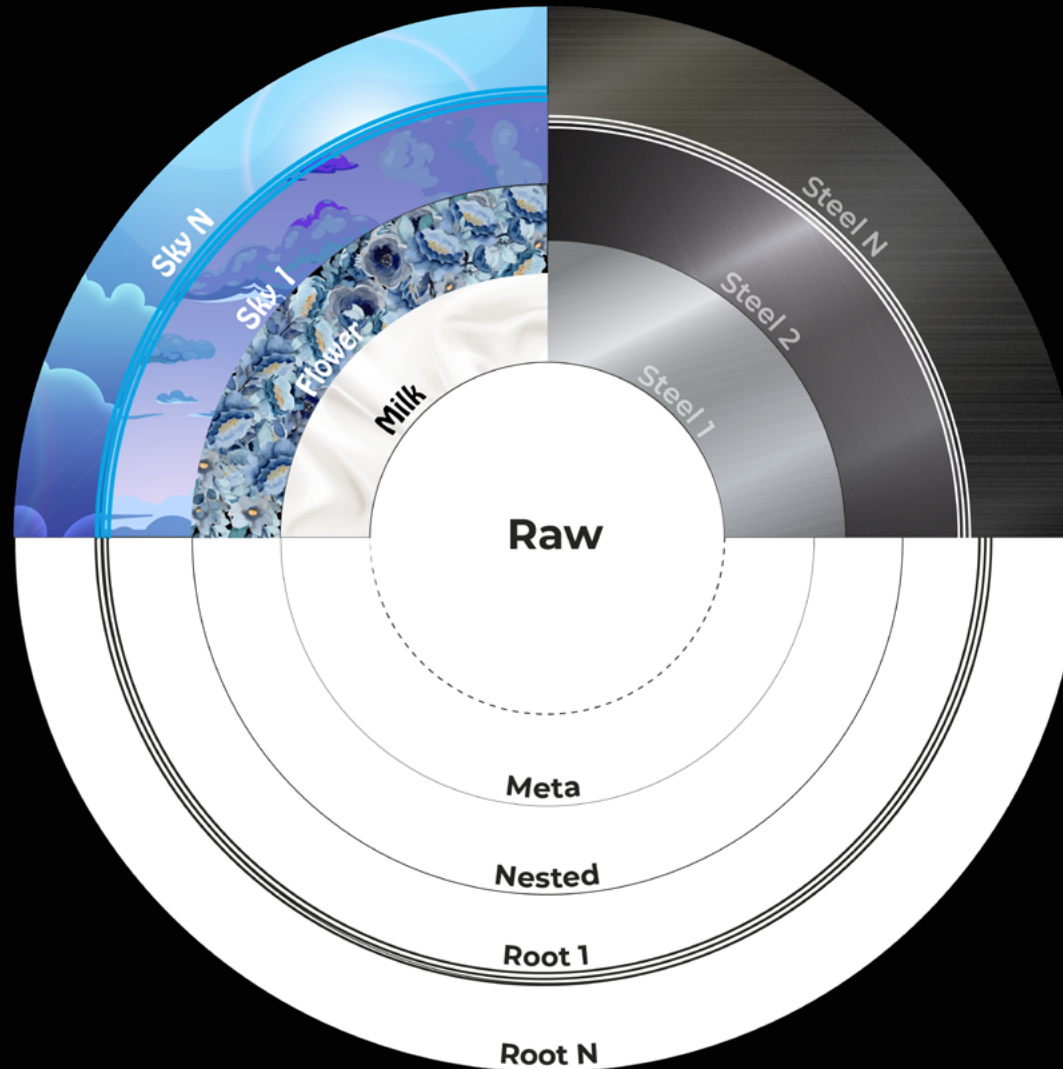


REGIONAL DEVELOPMENT

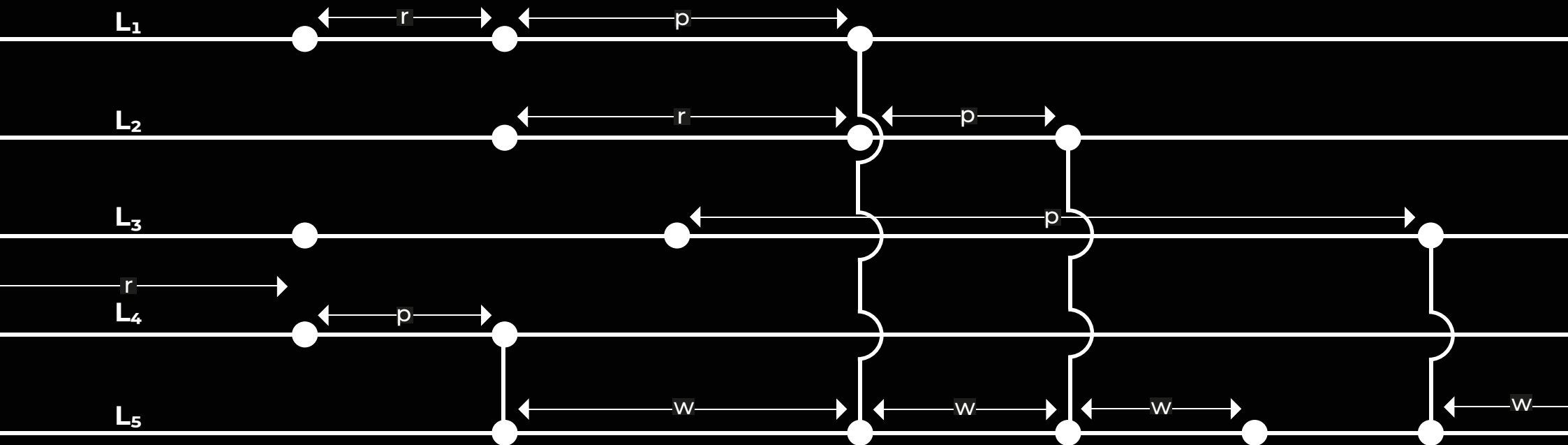
Building Smarter Cities

K-MECH supports regional development by delivering smart city solutions that improve infrastructure, enhance public services, and drive economic growth. Through our IoT technologies and digital solutions, we help cities become more connected, efficient, and sustainable.

SYSTEM ARCHITECTURE



CONSCIOUSNESS ARCHITECTURE



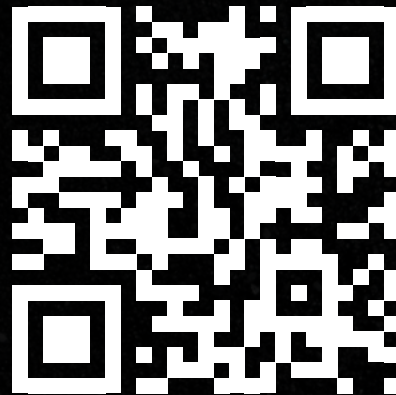
L_1 - Primary Reading & Processing Layer

L_4 - Prediction Reading & Processing Layer

L_2 - Secondary Reading & Processing Layer

L_5 - Writing Layer

L_3 - Environmental Reading & Processing Layer



Visit K-MECH Website