ROBOMIRACLE

ROBOMIRACLE ROBOTS

ROBOMIRACLE'S INTELLIGENT ROBOTS

YOUR FUTURE, POWERED BY ROBOTS

NILA ROBOT

THE INTELLIGENT RECEPTION & INTERACTION ROBOT

Backend Platform for Ads & Customization

Voice Interaction

Hand & Head Movements

Remote–Controlled Movements
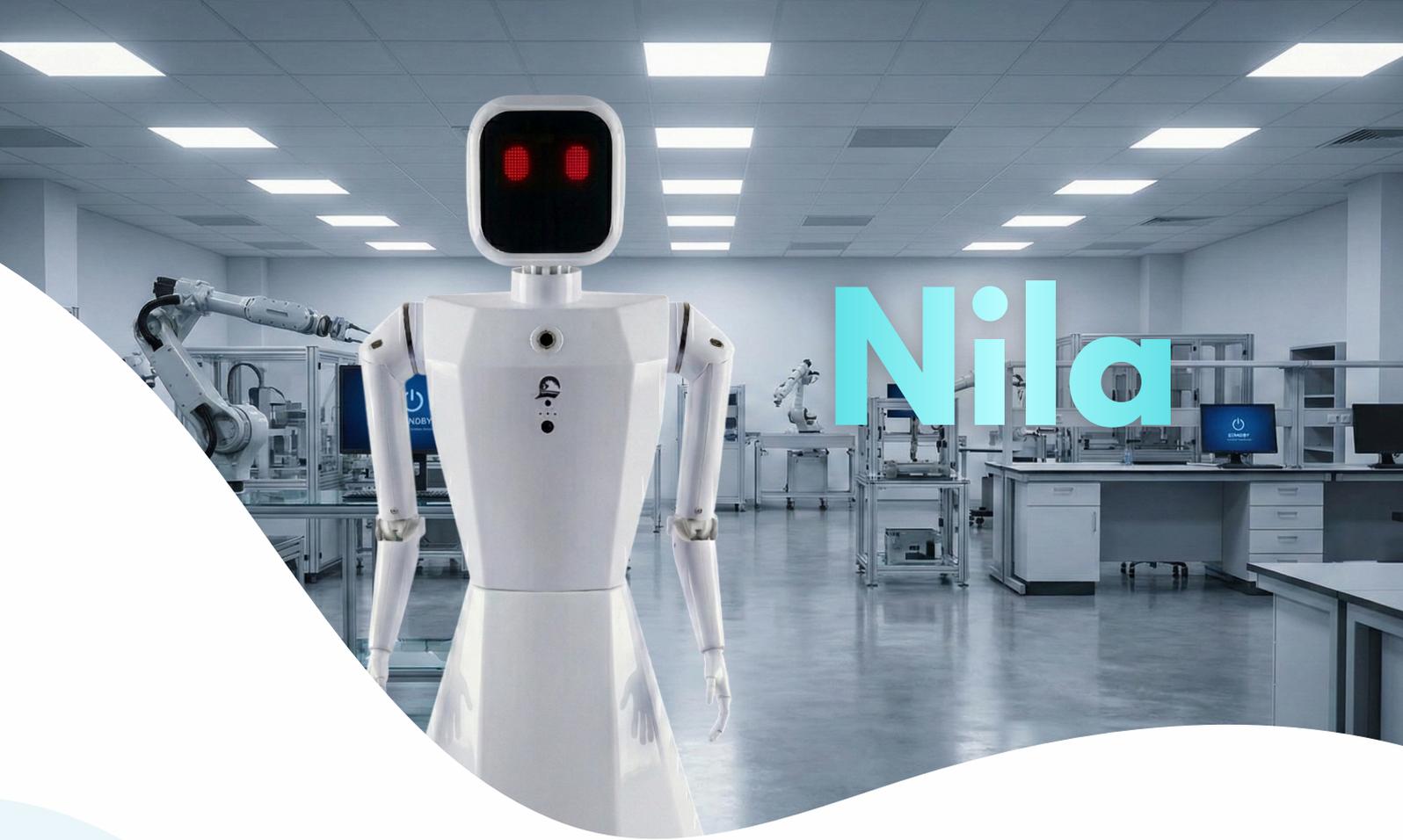
Free Nila Software Subscription

Automatic Human Recognition

10-Inch Display

Windows OS

Visitor Registration Form

Nila

1. OVERVIEW

Nila is an advanced humanoid robot engineered for authentic human interaction, autonomous navigation, and intelligent assistance across diverse environments. Featuring life like head and hand movements, Nila creates a warm and engaging presence suitable for schools, shopping malls, hospitals, expos, corporate events, and more. Its sophisticated AI and friendly interface make Nila a versatile companion that enhances customer experience and operational efficiency with a futuristic touch.

2. KEY FEATURES

Mobile app control (Wi-Fi AP mode)

- Control all robot motions and actions directly from a smartphone without any cables.

- Create custom paths, demo routines, or poses and trigger them instantly during events.

- Multiple staff members can quickly take over control, making operation easy even for non-technical users.

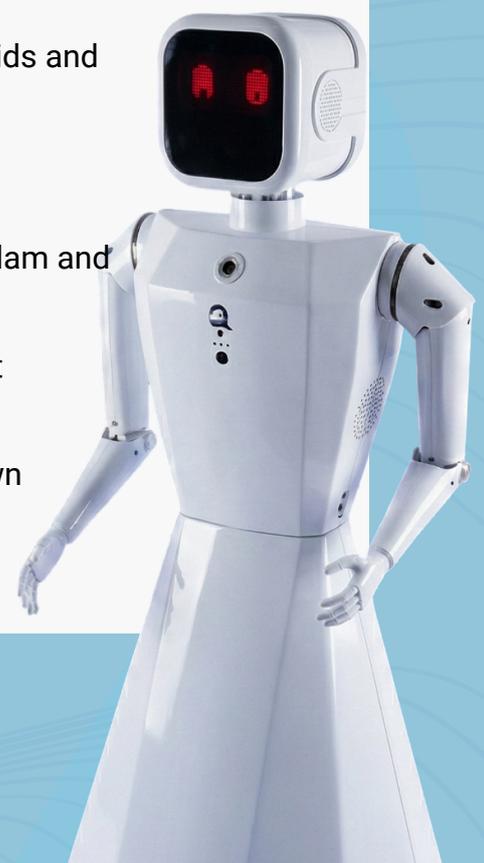### Remote control (6-channel, up to ~1000 m)

- Dedicated controller gives precise, real-time control of movement and rotation.

- Long-range operation lets the operator stay off-stage or behind the crowd while Nila performs.

- Ideal for large venues like malls, expos, and auditoriums where wide coverage is needed.

Obstacle detection (around 30 cm)

- Front sensors detect nearby objects and people to reduce collision risk.

- Automatically slows or stops the robot when something is too close.

- Safer operation in crowded spaces, especially around kids and families.

Multilingual interaction

- Supports conversations in English, Hindi, Tamil, Malayalam and other regional languages.

- Switch languages easily to match the audience or event location.

- Makes guests feel comfortable and engaged in their own familiar language.

AI-based greeting with image processing

- Uses the camera to detect visitors approaching the robot.

- Triggers automatic welcome messages and customized greetings.

- Creates a "wow" factor at receptions, exhibitions, and brand activations.

Camera-based control with fixed rotation (0–180°)

- Camera view helps the operator see what Nila "sees" while driving or rotating.

- Fixed right–left rotation from 0 to 180 degrees enables smooth head/body turns towards people.

- Perfect for interactive demos, photo sessions, and stage presentations.

Digital form filling and admin panel

- Visitors can enter their details directly on the robot's screen.

- All submissions go to a centralized admin panel for lead management and follow-up.

- Reduces manual paperwork and ensures clean, organized data collection.

3. HARDWARE SPECIFICATIONS

Dimensions & Weight

- Height: approximately 4.5 ft
- Weight: around 40–55 kg

Movement

- Hand movement for expressive interaction
- Forward and backward movement driven by 2 motors
- Fixed rotation / right–left turning from 0° to 180°

Power

- Battery: 24 V, 25 Ah lithium-ion (for movement and electronics)
- Charger: 24 V, 5 A
- Charging time: about 2 hours
- Backup time: approximately 4–6 hours per charge

Display

- 10-inch touchscreen display for media, menus, and forms

Audio

- Integrated 20 V speakers for clear voice output, alerts, and media playback

Operating System

- Windows OS for compatibility with standard applications and easy integration

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READY TO BUILD THE FUTURE TOGETHER?

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