

IKKI Smart Home

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IKKI
SMART HOME

Team Members

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UX Roadmap

Background



Mr. Minh's family recently moved to IKKI Village, consisting of 4 members:

- Grandfather (68 years old)
- Father (45 years old)
- Mother (42 years old)
- Son (15 years old)

Unlike traditional Smart Home applications, IKKI Smart Home was pre-integrated when the family received the house. All devices were connected and synchronized from the start.

The application not only controls devices but also learns habits, builds responsibility, and fosters bonding among family members.

PHASE 1: Welcome to your new home!

User Goal

Get acquainted with your new home and establish a new life.

Touchpoints

- Home handover staff
- Activation QR code
- IKKI Smart Home app

Actions

Family activates their account.

Automated System:

- Synchronizes all devices in the house.
- Creates profiles for each member.
- Identifies each person's role.
- Suggests initial access rights.

PHASE 1: Welcome to your new home!

Examples:

Grandparents

- Controls lights
- Air conditioner
- Curtains

Parents

- Full administrative control

Son

- Controls bedroom
- Desk lamp
- Learning devices

Emotional Moment

The family doesn't have to spend hours setting up each device.
Everything is ready to start a new life.

PHASE 2 Building the Family Rhythm

User Goal

To help the home understand the family's daily routines and lifestyle patterns.

Touchpoint

Family Setup page

User Actions

Parents configure:

- Working hours
- School schedules
- Family meal times
- Holidays
- Birthdays
- Special occasions

They also set:

- Energy budgets for each room.
- Household energy-saving goals.
- Family togetherness goals.

After setup, the AI automatically generates a Family Living Plan, which serves as the operational blueprint for the home.

PHASE 3: The home proactively cares for everyone.

Objective

To use technology to support life instead of creating additional tasks.

Touchpoints

Smart automation

Script

Morning:

Grandpa wakes up.

- Curtains open automatically.
- Air conditioner adjusts to the desired temperature.
- Soft music plays.

Mom enters the kitchen.

- Coffee maker starts.
- Kitchen lights turn on.
- Today's menu suggestion appears.

Dad goes to work.

- The house switches to energy-saving mode.

The child goes to school.

- AI detects the room is empty.
- Suggests activating Eco Exit Mode.

PHASE 3:

The home proactively cares for everyone.

One touch.

- Lights turn off.
- Air conditioner turns off.
- Computer switches to sleep mode.

Emotional moment

Everything happens naturally.

The family almost forgets they are living in a smart home.

PHASE 4

Responsibility is Recognized, Not Repeatedly Reminded

User Goal

To transform energy-saving behavior into positive motivation.

Touchpoint

Family Responsibility System

Script

Throughout the week, the son monitors:

- Energy consumption.
- Remaining energy budget.
- Highest energy-consuming devices.
- Accumulated IKI Coins.
- Trust Score.

Every positive action is converted into IKI Coins.

Examples:

- ✓ Turning off the air conditioner when leaving the room.
- ✓ Using natural daylight whenever possible.
- ✓ Staying within the weekly energy budget.

Emotional Moment

The child feels like they are completing challenges and achieving goals rather than being controlled by their parents.

Parents no longer need to constantly remind their children every day.

PHASE 5: AI creates opportunities for families to connect.

Objective

To help family members spend more time together.

Touchpoint

Family Pulse

Script

AI detects:

- Grandpa has eaten alone for three days.
- Dad left work early for three days.
- Mom doesn't have a meeting tonight.
- The child doesn't have a test tomorrow.

System suggests:

"Today is the ideal time for the whole family to have a meal together."

Family selects "Start Family Dinner."

Immediately:

- Dining room lights switch to warm yellow light.
- Air conditioning is adjusted.
- TV automatically turns off.
- 'Do Not Disturb' mode is activated.
- Family playlist is played.

After the meal:

Family Bond Time increases by 90 minutes.

Emotional Moment

Technology doesn't force people to be together.

Technology only creates opportunities to connect

PHASE 6 Achievements Are Recognized and Celebrated

User Goal

To transform positive behaviors into long-term motivation.

Touchpoint

Weekly Family Report

Script

At 11:59 PM every Sunday, the system automatically generates a weekly summary report.

The report displays:

- Total energy saved.
- Accumulated IKI Coins.
- Family Bond Time.
- Number of family meals shared.
- Individual Trust Scores.

The son can redeem IKI Coins for rewards such as:

- Steam Wallet credits.
- Movie tickets.
- A favorite family meal experience.

Emotional Moment

The family celebrates achievements together instead of arguing about who forgot to turn off the lights.

PHASE 7

Trust Is Earned Through Growth and Responsibility

User Goal

To transform the smart home into an educational tool.

Touchpoint

Growing Trust System

Script

After three months, the son has successfully:

- Stayed within his energy budget.
- Completed responsibility goals.
- Actively participated in family activities.

His Trust Score reaches 90/100.

The application sends a notification:

"Congratulations! You have reached Maturity Level 3."

After parental approval, the system automatically unlocks additional permissions

- Controlling the living room air conditioner.
- Managing the washing machine.
- Accessing the living room television outside study hours.
- Operating shared household devices.

PHASE 7

Trust Is Earned Through Growth and Responsibility

Emotional Moment

The child feels trusted and recognized by the family.

Parents feel comfortable because privileges are granted based on responsibility and maturity rather than age alone.

Experience Outcome

After using Family Harmony for an extended period, IKI Living OS does more than simply control smart devices; it creates meaningful behavioral and emotional changes:

- Children learn responsibility through managing their own "energy budget."
- Parents shift from being supervisors to becoming supportive companions.
- Grandparents receive more care and attention through AI-generated family connection opportunities.
- Family members spend more meaningful time together through activities and rituals recommended by the system.

Core Product Message

Traditional smart homes help people manage devices.

IKI Living OS helps families build responsibility, nurture trust, and grow together within the place they call home.



Application summary

IKKI SMART HOME – A Human-Centered Living OS for Vietnamese Multi-Generational Families

IKKI SMART HOME is a human-centered smart home application designed for Vietnamese multi-generational families. Unlike traditional smart home platforms that mainly focus on controlling devices, IKKI SMART HOME transforms technology into a tool for family connection, education, and emotional wellbeing. The main problem addressed by this solution is the growing distance between family members due to busy lifestyles, limited interaction, and the challenges of caring for different generations within the same household. In many families, parents struggle to manage household responsibilities, children lack motivation to develop responsible habits, and elderly family members may feel isolated.

To solve these problems, IKKI SMART HOME introduces two innovative features: the IKI Smart Family Economy System and the Progressive Responsibility System. The IKI Smart Family Economy allows parents to allocate monthly energy budgets for each family member. Through smart devices and real-time monitoring, users can track their energy consumption and earn digital rewards called IKI Coins by practicing energy-saving behaviors. This feature transforms household management into an educational and engaging experience.

The Progressive Responsibility System gradually expands children's access to smart home controls based on their age and maturity level. As children grow, they gain more responsibilities and privileges, helping them develop independence, accountability, and practical life skills.

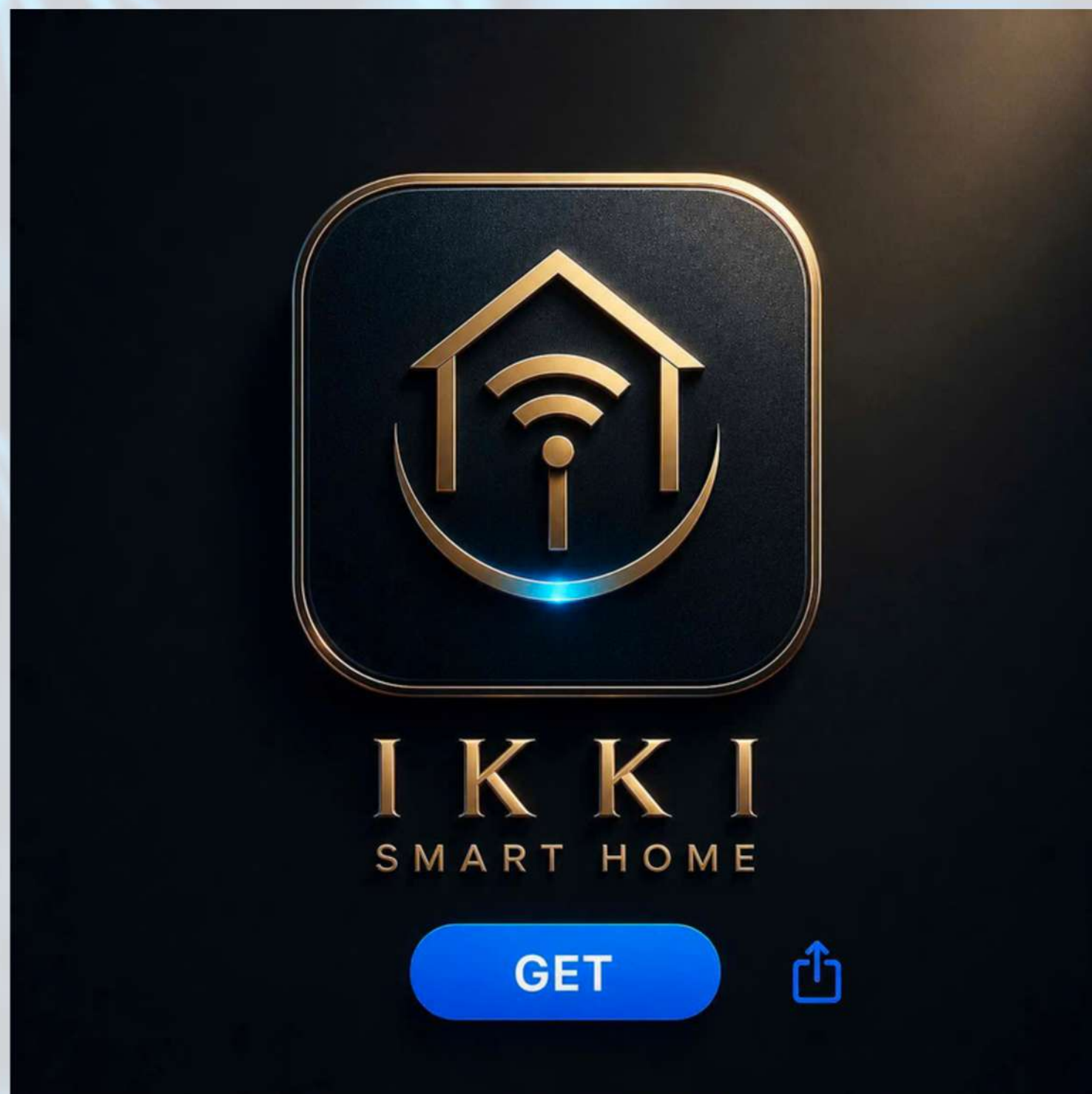
The application also includes gamification elements such as achievement badges, energy scores, family challenges, and a reward hub where users can exchange IKI Coins for meaningful experiences and family activities.

By combining smart home technology, behavioral design, and family-centered experiences, IKKI SMART HOME reduces intergenerational distance, encourages communication, promotes sustainable habits, and strengthens emotional connections within the household.

Ultimately, IKKI SMART HOME is not simply a smart home application—it is a living operating system designed to help families grow, care, and thrive together.

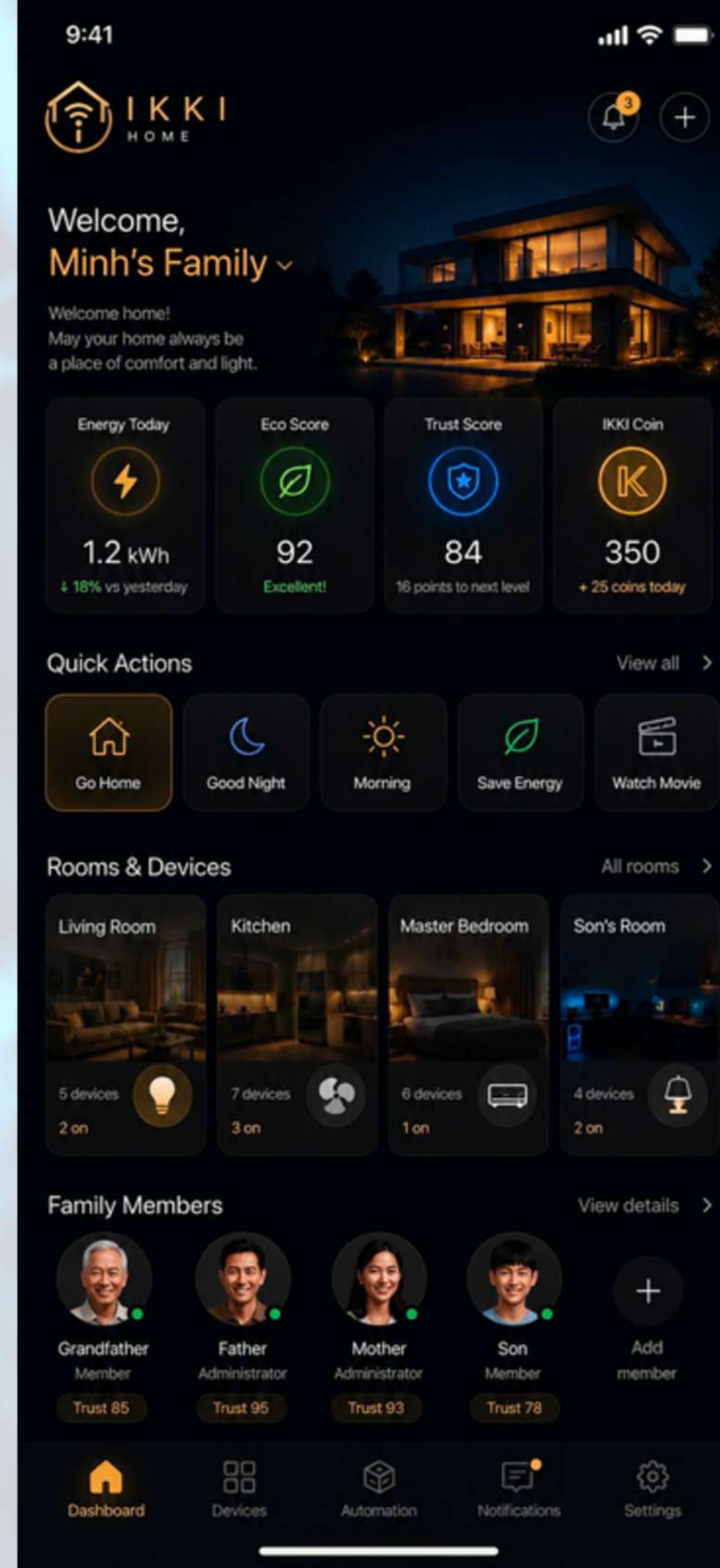


UI Design



App

Main screen



Application interface



Feature and Benefit Details

PHASE 5 – AI CREATES OPPORTUNITIES TO BRING YOUR FAMILY CLOSER TOGETHER
"Technology doesn't force people to be together. It creates opportunities for connection."

AI analyzes habits → Identifies golden moments → Suggests connections → Activates no-space mode → Family gets closer

PROACTIVE AI SYSTEM (ON IN ACTION)
AI continuously learns and understands each member's habits to find "golden moments" for meaningful connections.

Family Pulse
AI analyzes and detects:

Grandpa has eaten alone for 3 days in a row.

Dad has been working late more than usual.

Mom has no suitable evening schedule.

Son has no math test tomorrow.

Tonight is the perfect time for the whole family to have dinner together.

Start Family Dinner

WHEN THE FAMILY CHOOSES "FAMILY DINNER"

INSTANT AUTOMATION:

- Dinner room lights switch to warm lighting.
- Air conditioner adjusts to comfort.
- TV turns off automatically.
- "Do Not Disturb" Mode is activated.
- Family playlist starts playing.

AFTER DINNER
Family Bond Time increases by **+90 minutes**

EMOTIONAL CONNECTION
Technology doesn't force people to be together. It creates opportunities for connection.

OPERATING MECHANISM

1. AI analyzes: The system collects and analyzes your family's activity data.
2. Identifies golden moments: AI identifies the best time for each member to connect.
3. Suggests connections: Sends smart suggestions to create quality interactions.
4. Activates no-space mode: Automatically prepares the space to be city, distraction-free.
5. Family gets closer: Builds lasting habits and meaningful memories every day.

PHASE 6 – Achieved Results Recognized
"The family celebrates achievements together instead of arguing about who forgot to turn off the electricity."

Weekly Summary → Results Displayed → Reward IKI Coin → Redeem Rewards → Family Celebrates

Weekly Family Report
20/05 – 26/05/2025

Electricity Saved **18.6 kWh** ↑ 28%
Equivalent to 42,000K

Accumulated IKI Coins **420** ↑ 85
comparing to last week

Family Bond Time **6 hours 45 minutes** ↑ 1 hour 30 minutes
comparing to last week

Number of Family Meals Together **5 meals** ↑ 2 meals
comparing to last week

REDEEM REWARDS WITH IKI COIN

Steam Wallet
100 IKI Coin

Movie Ticket
250 IKI Coin

Favorite Family Meal
400 IKI Coin

View More Rewards

FOR PARENTS
Parents understand their child's progress instead of just looking at the electricity bill.

The child saved electricity better by 28% compared to last week. The child is forming responsible usage habits.

The child spent an additional 1.5 hours for the family. The child is prioritizing quality time with the family.

The child's Trust Score increased by 8 points. The child is receiving more trust from parents.

Your family is becoming increasingly connected and living more sustainably every day.

MOMENTS OF EMOTION
The family celebrates achievements together instead of arguing about who forgot to turn off the electricity.

HOW IT WORKS

1. Weekly Summary: System automatically aggregates data at 23:59 Sunday.
2. Display Results: Detailed display of the family's key indicators.
3. Reward IKI Coin: Based on results, family receives corresponding IKI Coins.
4. Redeem Rewards: IKI Coins can be exchanged for attractive rewards.
5. Family Celebrates: Motivation to maintain good habits for the next week.

PHASE 7 – Trust Given Through Maturity
"A son feels trusted by his parents, parents are reassured because responsibility is clearly shown."

3-Month Tracking → Achieve Responsibility Goals → Trust Score reaches 90/100 → Parent Confirmation → Unlock more rights & Responsibilities

PROGRESS TO MATURITY
You have maintained excellent habits for 3 consecutive months!
Trust Score **90/100**
Maturity Level 3

Did not exceed electricity budget

Completed responsibility goal goals

Actively participate in family activities

Congratulations Minh! You have reached Maturity Level 3. Your parents are waiting to confirm and unlock more rights for you.

View details & confirm

PARENT CONFIRMATION
We are very proud of you! Parents confirm to move to Maturity Level 3 for Minh.

Decline Confirm

UNLOCKED NEW RIGHTS

- Living Room Air Conditioning Control: Adjust temperature and modes in the living room.
- Washing Machine Management: Start and track washing machine, receive completion notifications.
- Living Room TV Usage: Use the living room TV outside of school hours.
- General Device Control: Control general devices in the home.

All rights have a limit and are monitored by IKKI AI.

MOMENTS OF EMOTION

CHILD FEELS
Trusted and assigned more important responsibilities.

PARENTS ARE REASSURED
Authority is granted based on responsibility, not just age.

EXPERIENCE RESULTS

- Children develop responsibility: Learn to manage personal energy budget and ensure form positive habits.
- Parents accompany instead of remind: Reduced reminder pressure, increased trust and connection with children.
- Grandparents receive more care: AI creates opportunities to connect and help grandparents feel loved.
- Family grows together: Build responsibility, nourish trust and grow together in your own home.

HOW IT WORKS

1. 3-Month Tracking: AI tracks shifts behavioral and responsibility levels.
2. Achieve Responsibility goal: Do not exceed budget, complete tasks, participate in activities.
3. Trust Score 90/100: System evaluates and points based on various criteria.
4. Parent Confirmation: Parents review and confirm with one touch.
5. Unlock Rights & Responsibilities: System automatically unlocks appropriate rights.
6. A child grows with the home: Children learn to use technology responsibly and effectively.
7. Family grows together: Trust is strengthened, family is happier every day.

IKKI HOME – Smart living operating system helps families build responsibility, nourish trust and grow together in their own home.

EXPERIENCE RESULTS
After a period of use, IKKI HOME not only helps families control smart devices but also helps them form positive changes:

1. Children learn responsibility
through managing their own "energy budget".

Weekly Electricity Budget **18.6 / 30 kWh**
IKI Coin **420** Level 4

2. Parents reduce reminder pressure
and move to a supportive role.

AI Suggestion: Your child is doing well! Let's set a new challenge together!

3. Grandparents receive more care
thanks to AI connection suggestions.

Suggestion: Grandpa hasn't had dinner with the family for 2 days. Let's spend time with him today!

4. Family spends more quality time together
through system-proposed activities and rituals.

Family Bond Time **6 hours 45 mins** ↑ +90 mins compared to last week.

5. The house becomes a companion
understanding and supporting each member in every moment of life.

IKKI HOME: Understands your family. Accompanies you. Grows together.

PRODUCT CORE MESSAGE
Smart Home helps manage devices. IKKI HOME helps families build responsibility, nourish trust and grow together in their own home.

IKKI HOME – A family-centric operating system for multi-generational Vietnamese families
Connect Responsibility Trust Love

THE IKKI COIN REWARDS SYSTEM
Save smart – Earn rewards worth celebrating

TIER 1 LIMITED REWARDS (Weekly goal)
Collect small points by completing digital activities that bring joy every day.

WEEKLY GOALS

- Discord Nitro: Exclusive Discord Nitro gift
- Game Impact: Top-up card
- Steam Wallet (Game): Purchase games on Steam

100 – 300 IKKI Coins

TIER 2 STANDARD REWARDS (Monthly goal)
Share a meal with your family according to your preferences. More together, stronger connection.

MONTHLY GOALS

- CHICKEN: Chicken Plus
- JOBBERS: Jobber
- WOW: Wow Yakiniku

800 – 1,500 IKKI Coins

TIER 3 PREMIUM REWARDS (Quarterly goal)
If your family maintains the habit of saving for 3 months, your IKKI Coin points may unlock special rewards from us.

QUARTERLY GOALS

- COLOR FIESTA: SET CARD
- HARU MATSURI: SET CARD
- BLOSSOM DAY: SET CARD

3,000+ IKKI Coins

HOW DOES IKKI COIN WORK?
Save energy every day → Collect IKKI Coins → Redeem rewards you love → Enjoy quality time with your family

WHAT IS IKKI COIN?
Rewards in IKKI Home OS that help your family save energy smartly and earn exciting rewards!

IKKI COIN is more than just rewards – it's the bond of love and trust in your family.
IKKI Home OS – Grow With Your Home



Prototype Video





Link video

<https://www.youtube.com/watch?v=MPKwNZFBGDc>

Thank You
So Much!



IKKI
SMART HOME