

Tamil Nadu

AI Districts Roadmap

37 Districts · Centres of Excellence

AI IMPACT ACROSS 38 DISTRICTS

DRIVING ECONOMIC DEVELOPMENT FOR A PROSPEROUS TAMIL NADU 2035

● AI FOR EVERY DISTRICT
 ● GROWTH FOR EVERY CITIZEN
 ● OPPORTUNITY FOR EVERY COMMUNITY

OUR VISION

Build an AI-powered Tamil Nadu where every district leverages its unique strengths to create high-value jobs, boost productivity, attract investment and ensure inclusive, sustainable and equitable development.

38 DISTRICTS, 38 CENTERS OF EXCELLENCE. ONE AI-POWERED GROWTH ECOSYSTEM.

TAMIL NADU 2035

Intelligence for Every Citizen.
Opportunity for Every Community.
Innovation for Tamil Nadu.

HOW AI TRANSFORMS DISTRICTS

- INTELLIGENT AUTOMATION**: Improve productivity and reduce costs across industries and services.
- DATA-DRIVEN DECISIONS**: Better governance, resource planning and targeted investments.
- INNOVATION & STARTUPS**: AI accelerates new business models and local entrepreneurship.
- SKILLS & EMPLOYMENT**: Creates future-ready jobs and upskills talent across sectors.
- SUSTAINABLE GROWTH**: AI enables green solutions for climate resilience and circular economy.

ECONOMIC DEVELOPMENT OUTCOMES

- Higher Productivity & Efficiency**: 2X - 3X improvement in key sectors.
- High-Value Job Creation**: New age jobs in AI, data, robotics, electronics, design & services.
- Increased Investments**: AI-enabled infrastructure and industry attract global capital.
- Inclusive Growth**: Balanced development of urban, semi-urban and rural regions.
- Stronger Exports**: Quality, compliance and innovation boost global competitiveness.
- Better Governance**: AI for transparent, efficient and citizen-centric services.

AI IMPACT ACROSS KEY SECTORS

- MANUFACTURING**: AI-driven automation, predictive maintenance and quality control. **20% - 40% productivity improvement.**
- AGRICULTURE & ALLIED**: Precision farming, crop intelligence, market linkage and risk prediction. **15% - 30% increase in yield & farm income.**
- HEALTHCARE**: AI diagnostics, telemedicine and personalized treatment. **Better outcomes, lower costs, wider access.**
- EDUCATION & SKILLS**: AI tutors, adaptive learning and skills for the future. **Improved learning outcomes & employability.**
- MSME & INDUSTRY**: AI for design, operations, finance, marketing and global reach. **Higher efficiency, new markets, more growth.**
- GOVERNANCE & PUBLIC SERVICES**: AI for citizen services, planning, fraud detection and smart cities. **Efficient, transparent and citizen-centric governance.**
- TOURISM & CULTURE**: AI for experiences, heritage preservation and destination management. **More visitors, longer stays, higher revenue.**
- ENERGY & ENVIRONMENT**: AI for energy optimization, renewable integration and climate action. **Lower emissions, cleaner energy, resilient future.**

38 DISTRICTS → 38 CENTERS OF EXCELLENCE → 1 CONNECTED TAMIL NADU → AI POWERING EVERY OPPORTUNITY → INCLUSIVE SUSTAINABLE PROSPERITY

"AI is the great equalizer. When every district rises, Tamil Nadu rises as a global leader."

AI IMPACT BY 2035 ACROSS TAMIL NADU

- 2X - 3X Increase in State GDP Contribution (from AI-enabled sectors)
- 50+ LAKH High-Value Jobs Created Cumulatively
- ₹3+ LAKH CRORE Investments Attracted (Incremental)
- 3X Export Growth in Key Sectors
- Every District AI-Enabled with Future-Ready Infrastructure

AI FOR INCLUSIVE GROWTH

- Rural Transformation
- Women Empowerment
- Youth Opportunities
- Tribal & Coastal Development
- Small Towns Acceleration

Leaving No District Behind. Leaving No Citizen Behind.

ENABLERS FOR SUCCESS

- AI Infrastructure (Compute, Cloud, Connectivity)
- Data Ecosystem & Governance
- Talent, Skills & Research
- Innovation & Startup Ecosystem
- Policy, Funding & Public-Private Partnerships

AI FOR ALL. GROWTH FOR ALL.
TOGETHER, LET'S BUILD THE FUTURE OF TAMIL NADU.

38 DISTRICTS. 38 DREAMS. ONE AI-POWERED TAMIL NADU 2035.

STRONGER ECONOMY HAPPIER CITIZENS SUSTAINABLE FUTURE GLOBAL LEADERSHIP

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CHENNAI AI & SOVEREIGN INTELLIGENCE CENTER

Building India's Intelligence Future.
Powering a Viksit Tamil Nadu 2035.

Chennai will be India's premier hub for AI innovation, sovereign technologies, and intelligence systems that power governance, industry and society with trust, security and responsibility.

WHY CHENNAI?

- India's IT Capital with world-class talent
- Strong R&D ecosystem and academic excellence
- Presence of global capability centers (GCCs)
- Digital public infrastructure leadership
- Proximity to Bharat's strategic assets - DRDO, ISRO, IPRC, Indian Navy
- Excellent connectivity - Air, Sea, Road, Metro
- Vibrant startup and innovation ecosystem



INTELLIGENCE THAT IS **INDIAN**. INNOVATION THAT IS **GLOBAL**.
IMPACT THAT IS **HUMAN**.



TAMIL NADU 2035

Intelligence for Every Citizen.
Opportunity for Every Community.
Innovation for Tamil Nadu.

FOCUS AREAS

- SOVEREIGN AI STACK**
Build full-stack Indian AI models, datasets, cloud and tools for strategic independence.
- SECURE DIGITAL INFRASTRUCTURE**
Develop trusted, resilient and privacy-first infrastructure for India and the world.
- AI FOR PUBLIC GOOD**
Transform healthcare, education, agriculture, justice, mobility and governance with AI.
- INDUSTRY & STARTUP ACCELERATION**
Catalyze AI startups, deep-tech innovation and global capability centers.
- TALENT & RESEARCH LEADERSHIP**
Nurture world-class AI talent and drive frontier research with academia and labs.
- GLOBAL COLLABORATION**
Partner with leading nations, companies and institutions for shared progress.

IMPACT BY 2035

- Make Chennai a Top 3 AI City in Asia
- Attract ₹1,00,000+ Cr Investments
- Create 2,00,000+ High-Value AI Jobs
- 100+ Global AI Companies & GCCs
- India's Most Trusted AI Ecosystem
- Export Indigenous AI Solutions Globally



WORLD-CLASS INFRASTRUCTURE

- AI Compute Clusters & HPC
- Sovereign Cloud & Data Centers
- 5G/6G & Edge Infrastructure
- Innovation Districts
- Green & Resilient Campuses

KEY ENABLERS

- Data Access & Governance
- AI Ethics & Responsible AI Frameworks
- Policy, Standards & Regulatory Sandboxes
- Skilling & Talent Development Programs
- Startup Support & Funding
- Industry Collaboration Platforms

AI FOR EVERY SECTOR



CHENNAI ADVANTAGE

- Deep Talent Pool
1.5+ Lakh Engineering Graduates Annually in the Region
- Thriving Innovation Ecosystem
Startups, Labs, Incubators and Investors
- Strategic Location
Gateway to India and Global Markets
- Quality of Life
Vibrant, Inclusive and Future-Ready City



OUR PARTNERS

- Industry Leaders
- Academic Institutions
- Research Labs
- Startups & Innovators
- Government of India
- Government of Tamil Nadu
- Global Partners

OUR COMMITMENT

- INNOVATE**
Future-ready technologies
- COLLABORATE**
Ecosystem for collective success
- SOVEREIGN**
Secure. Trusted. Independent.
- EMPOWER**
People. Startups. Communities.
- EXCEL**
Global standards. Indian values.

CHENNAI LEADS INDIA'S INTELLIGENCE REVOLUTION.
AI FOR INDIA. AI FROM INDIA. AI FOR THE WORLD.

- Research with Purpose
- Innovation with Impact
- Sovereignty with Security
- Growth with Responsibility
- Future with Humanity

VIKSIT TAMIL NADU 2035

TIRUVALLUR

INTELLIGENT MANUFACTURING & MOBILITY SYSTEMS CENTER

DESIGNING THE FACTORIES OF TOMORROW.
BUILDING THE MOBILITY OF THE FUTURE.

Tiruvallur is the industrial engine of the Chennai Metropolitan Region, driving advanced manufacturing, mobility innovation and sustainable growth for Tamil Nadu and India.

WHY TIRUVALLUR?

- Strategic gateway to Chennai – Port, Airport & Logistics
- Strong industrial base – Avadi, Ambattur, Poonamallee
- Home to Avadi Heavy Vehicles Factory (HVF)
- Major automotive & auto components ecosystem
- Electronics & electrical manufacturing hub
- Excellent connectivity – Road, Rail, Air & Metro
- Skilled workforce & engineering talent pool
- Growing ecosystem for innovation & startups



KEY ENABLERS

- AI & DATA INTELLIGENCE
- DIGITAL TWINS & SIMULATION
- ADVANCED MATERIALS
- CYBERSECURITY & SAFETY
- DESIGN & ENGINEERING
- TESTING & CERTIFICATION
- SKILLING & TALENT DEVELOPMENT
- STARTUP & INNOVATION ECOSYSTEM

TAMIL NADU 2035

Intelligence for Every Citizen.
Opportunity for Every Community.
Innovation for Tamil Nadu.

FOCUS AREAS

- SMART MANUFACTURING**
Digital factories, IIoT, AI-driven operations and predictive maintenance.
- AUTOMOTIVE INTELLIGENCE**
Connected vehicles, software-defined mobility and safety systems.
- ELECTRIC VEHICLES & BATTERIES**
EV design, power electronics, BMS and advanced battery technologies.
- AUTONOMOUS MOBILITY**
AI, sensors, V2X, ADAS and autonomous vehicles for public & industrial use.
- INDUSTRIAL ROBOTICS**
Robotics integration, cobots, vision systems and smart automation.
- SUPPLY CHAIN INTELLIGENCE**
Real-time visibility, demand forecasting, logistics & warehouse automation.
- DEFENCE MANUFACTURING SYSTEMS**
High-precision components, platforms and strategic manufacturing.
- INDUSTRY 5.0**
Human-centric smart factories, digital twins and sustainability by design.

STRATEGIC ASSETS

- Avadi Industrial Corridor & HVF
- Ambattur Industrial Estate
- Poonamallee & Oragadam Industrial Belt
- Chennai Port & Kattupalli Port Connectivity
- Chennai International Airport Proximity
- Dedicated Freight Corridor (DFC) Access
- Metro Rail, Rail & Expressway Connectivity
- Strong MSME & Vendor Ecosystem

SECTORS WE WILL TRANSFORM



IMPACT BY 2035

- Global manufacturing competitiveness
- EV & mobility innovation leadership
- 10,00,000+ high-value jobs
- Thriving startup & innovation ecosystem
- Export-led industrial growth
- Sustainable & inclusive development



OUR VISION

To make Tiruvallur India's leading hub for intelligent manufacturing and mobility systems, creating global value through innovation, skills, sustainability and human-centric technology.



OUR COMMITMENT

- INNOVATE**
Create future-ready solutions
- COLLABORATE**
Partner for shared success
- SUSTAIN**
Build sustainably for generations
- EMPOWER**
Develop talent & communities
- EXCEL**
Deliver global excellence

THE FUTURE IS MADE IN TIRUVALLUR

Where intelligent factories rise.
Where smart mobility moves.
Where ideas become impact.
Where Tamil Nadu leads the world.



PARTNERS IN PROGRESS

- GOVERNMENT OF TAMIL NADU
- INDUSTRY LEADERS
- ACADEMIA & RESEARCH
- STARTUPS & INNOVATORS
- MSMEs & COMMUNITIES

INTELLIGENT MANUFACTURING. SUSTAINABLE MOBILITY. LIMITLESS OPPORTUNITIES.
TIRUVALLUR LEADS. TAMIL NADU GROWS. INDIA PROGRESSES.

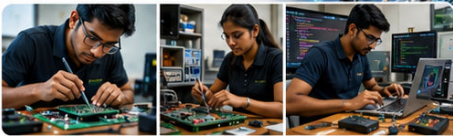
CHENGALPATTU ELECTRONICS SYSTEMS DESIGN CENTER

DESIGNING INTELLIGENCE.
ENGINEERING THE FUTURE.

FOCUS

EMBEDDED SYSTEMS, IoT,
PRODUCT ENGINEERING

A district-driven Center of Excellence to create world-class electronic products and solutions from concept to commercialization.



FROM CHENGALPATTU TO THE WORLD
Design. Build. Innovate.
Lead the New Electronics Revolution.



TAMIL NADU 2035
Intelligence for Every Citizen.
Opportunity for Every Community.
Innovation for Tamil Nadu.



KEY FOCUS AREAS

- EMBEDDED SYSTEMS**
Low-power, high-performance embedded solutions for industrial, automotive, consumer and defense applications.
- INTERNET OF THINGS (IoT)**
Connected devices, sensors, and IoT platforms for smart cities, agriculture, healthcare and industries.
- PRODUCT ENGINEERING**
End-to-end product development from concept, prototyping, validation to manufacturing support.
- PCB DESIGN & ELECTRONICS**
Advanced PCB design, high-speed layouts, and power electronics solutions.
- TESTING & CERTIFICATION**
Reliability, compliance, and certification support for global market readiness.

CAPABILITIES

Advanced Design Labs	IoT & Wireless Testbeds	Rapid Prototyping & Fabrication	EDA Tools & Simulation
Hardware & Firmware Development	AI/ML for Edge Intelligence	Product Validation Lab	Industry 4.0 Integration

ECOSYSTEM & COLLABORATION

ACADEMIA IITM, Anna University, Colleges & Research Institutions	INDUSTRY Electronics, Automotive, Telecom, Industrial, Healthcare	STARTUPS Incubation, Mentoring, Funding & Go-to-Market Support	GOVERNMENT Policy Support, Infrastructure & Skill Initiatives
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NURTURING INNOVATION. BUILDING PRODUCTS. CREATING JOBS. EMPOWERING YOUTH. STRENGTHENING TAMIL NADU.

IMPACT ON TAMIL NADU

- Strengthen electronics manufacturing and product innovation
- Create high-value jobs for youth
- Support Make in India and Atmanirbhar Bharat
- Enable smart solutions for agriculture, healthcare, mobility, energy and governance
- Position Tamil Nadu as a global electronics innovation hub

ENABLING THE NEW ELECTRONICS ECONOMY

SKILL DEVELOPMENT	RESEARCH & INNOVATION	INFRASTRUCTURE EXCELLENCE	GLOBAL PARTNERSHIPS	SUSTAINABLE GROWTH
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“ When we design in Tamil Nadu, we deliver to the world. When we innovate locally, we impact globally. ”

BUILDING THE INTELLIGENT FUTURE.
**DESIGNED IN CHENGALPATTU.
MADE FOR THE WORLD.**

INNOVATE LOCALLY	CREATE VALUE	EMPOWER COMMUNITIES	INSPIRE THE FUTURE
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KANCHEEPURAM AI IMPACT 2035

HERITAGE WEAVES. TECHNOLOGY LEADS.

By 2035, Artificial Intelligence will accelerate Kancheepuram's growth across its core strengths—silk weaving, electronics, auto manufacturing and data infrastructure—making it a global model of heritage-led, technology-driven prosperity.



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KANCHEEPURAM AT A GLANCE

Location Northern Part of Tamil Nadu	Literacy Rate 82.95% (Census 2011)
Area 2,973 sq. km	Major Strengths Silk Weaving, Electronics, Auto Manufacturing, Data Infrastructure, Tourism, MSMEs
Population (2024) ~16.46 Lakhs	Heritage Legacy Kancheepuram Silk Sarees, Temples & Crafts

1 SMART LOOMS. TIMELESS SILK

AI Elevating Heritage Weaving

- 3D AI Design Platform**
Customers create custom saree designs in 3D with fabric simulation.
- Smart Loom Connectivity**
AI converts designs to weaving instructions and connects directly to traditional looms.
- Demand Prediction**
AI analyzes fashion trends and market data to guide weavers on colors and patterns.
- Heritage Protection**
AI tracks authenticity and GI tagging to protect Kancheepuram silk globally.

2 AUTONOMOUS ELECTRONICS

SMARTER. SMALLER. FASTER.

- Dark Factories**
AI robots operate 24/7 with zero human errors in chip and PCB manufacturing.
- AI Quality Control**
AI computer vision ensures 100% inspection and defect-free precision.
- Predictive Maintenance**
AI systems predict equipment failure and ensure maximum uptime.
- Global Competitiveness**
High precision. Lower cost. Faster time to market for global electronics.

3 INTELLIGENT AUTO MANUFACTURING

DRIVING THE FUTURE

- EV & Auto Parts Hub**
AI powers production of EV components, engines, gears and chassis.
- Digital Twin & Simulation**
AI-driven simulation improves design, safety and performance.
- Autonomous Production Lines**
Robots assemble with precision, ensuring zero defects and zero downtime.
- Green Manufacturing**
AI optimizes energy use and reduces emissions across factories.

4 DATA INFRASTRUCTURE HUB

POWERING THE DIGITAL ECONOMY

- AI Data Centers**
World-class data centers with AI-optimized cooling and energy management.
- Edge Computing**
Low-latency infrastructure supporting industry and smart cities.
- Cybersecurity AI**
AI-powered threat detection and data protection for enterprises.
- Digital Ecosystem**
Fueling startups, cloud services and innovation across Tamil Nadu.

AI IMPACT ACROSS KEY SECTORS

- Weaving & Handloom**
Higher value, global reach, design innovation
- Electronics**
High precision, zero defects, global leadership
- Auto Manufacturing**
Smart factories, EV ecosystem, exports
- Data & IT Services**
Cloud, AI, cybersecurity, digital jobs
- MSMEs & Startups**
AI tools for productivity and new markets
- Education & Skills**
AI labs, digital learning, future-ready youth
- Tourism & Heritage**
AI guides, smart experiences, global visitors
- Governance & Services**
Data-driven, transparent and citizen-friendly

ECONOMIC IMPACT BY 2035

₹30,000+ Cr Additional Economic Value	1,00,000+ High-Value Jobs	2X Growth in Exports
40% Increase in Productivity	30% Reduction in Manufacturing Waste	3X Growth in Digital Infrastructure

CENTER OF EXCELLENCE

KANCHEEPURAM AI & INDUSTRY INNOVATION CENTER

A collaborative platform for industry, academia, startups and artisans to co-create AI solutions.

AI ENABLERS

- High-Speed Connectivity (5G/6G)
- AI Chips & Compute Infrastructure
- Robotics & Automation
- Industry 4.0 Adoption
- Skilled Workforce
- Strong Policy Support

OUR PARTNERS

- Government of Tamil Nadu
- Industries & Associations
- Academic Institutions
- Research Labs
- Startups & Innovators
- Global Tech Partners

Where Heritage Inspires Innovation.
Where AI Builds Tomorrow.

- AI for People
- AI for Industry
- AI for Prosperity
- AI for Planet

KANCHEEPURAM 2035

WEAVING TRADITION INTO A FUTURE OF INTELLIGENCE.

RANIPET 2035

AI POWERING INDUSTRY. PROTECTING NATURE.
BUILDING PROSPERITY FOR PEOPLE.

By 2035, AI initiatives will deeply change Ranipet's land, people and future. A cleaner environment, smarter industries and empowered people will build a stronger, self-reliant Ranipet.

RANIPET'S CORE STRENGTHS

- HEAVY ENGINEERING
- LEATHER TANNERIES
- CHEMICAL PRODUCTION
- DEFENCE EQUIPMENT MANUFACTURING



VISION 2035

A CLEANER LAND. SKILLED PEOPLE.
SMART INDUSTRIES. PROSPEROUS FUTURE.

- AI for Sustainability
- AI for Prosperity
- AI for People
- AI for Future

“From a traditional industrial hub to an AI-powered, green and globally competitive district.”

1 THE TRANSFORMATION OF THE LAND

ECO-FRIENDLY INDUSTRIAL ZONES

AI-monitored water treatment plants automatically track effluent levels, making the Palar river basin cleaner and safer for communities.



- Real-time Effluent Monitoring
- Cleaner Palar River Basin
- Healthier Communities

SMART FACTORY HUBS

Highly automated, zero-emission factories running on renewable energy grids.



- Zero Emission Factories
- AI Optimized Energy Grids
- Sustainable Industrial Growth

2 THE TRANSFORMATION OF THE PEOPLE

HIGH-SKILL TECH WORKERS

Factory laborers transition into skilled robot operators. AI safety sensors monitor workspaces to protect workers from toxic chemicals and heavy machinery hazards.



- Career Growth
- Safer Workplaces
- AI Powered Safety
- Skill Upgradation

TECH-DRIVEN ARTISANS

Traditional leather craftsmen use generative AI design tools to create global fashion products.



- AI Design Tools
- Global Market Access
- Brand & Value Enhancement

3 2035 AI IMPACT AND POSITIVE OUTCOMES

AUTONOMOUS WELDING & ASSEMBLY

AI-driven robots weld defense parts and machinery with perfect precision, boosting production speed and quality.



- High Precision
- Zero Defects

PRECISION CHEMICAL MIXING

AI algorithms calculate the exact amount of chemicals needed for leather tanning, cutting chemical waste by half.



- Less Chemical Waste
- Lower Costs

LOCAL ECONOMIC BOOM

High-paying AI jobs in engineering and green tech will prevent youth from migrating to Chennai, keeping talent within Ranipet.



- More Jobs, More Income
- Stronger Ranipet

AI ENABLERS POWERING RANIPET 2035

- IoT Sensors & Devices
- Big Data Analytics
- Cloud Computing
- AI & Machine Learning
- Digital Twin Technology
- Robotics & Automation
- 5G & Advanced Connectivity
- Cyber Security & Safety

THE POSITIVE OUTCOMES BY 2035

- Cleaner Air, Cleaner Water, Healthier Lives
- Highly Skilled Workforce & Better Livelihoods
- Globally Competitive & Sustainable Industries
- Stronger Local Economy & Future-Ready Ranipet



SMART TODAY.
STRONG TOMORROW.

RANIPET 2035 – INTELLIGENT INDUSTRY. SUSTAINABLE FUTURE. PROSPEROUS PEOPLE.



VELLORE MEDICAL DEVICES & HEALTH INNOVATION CENTER

INNOVATING TODAY. SAVING TOMORROW.
HEALTHIER LIVES FOR ALL.

Vellore is emerging as a global hub for medical devices, diagnostics and digital health innovation, driven by world-class institutions, strong manufacturing capabilities and a culture of research and entrepreneurship.

OUR STRATEGIC STRENGTHS

- Christian Medical College (CMC), Vellore – Global leader in healthcare
- IIT Vellore – Deep tech & biomedical research
- NIT, Vellore – Engineering & innovation talent
- Established medical device clusters & skilled workforce
- Strong ecosystem of MSMEs & global partnerships
- Proximity to Chennai – Port, Airport and Global Markets



WHERE INNOVATION MEETS COMPASSION.



KEY INFRASTRUCTURE & ECOSYSTEM ENABLERS

- Medical Device Parks
- Plug & Play Manufacturing Facilities
- Testing, Calibration & Certification Labs
- Design & Prototyping Support Centers
- Incubation & Innovation Hubs
- Regulatory & Quality Support (CDSCO Aligned)
- Global Collaboration & Co-creation Training

IMPACT BY 2035



- Be among Top 3 Medical Device Hubs in India
- ₹25,000+ Crore Investment Attraction
- 1,00,000+ High-Value Jobs Created
- Strong Export Growth to Global Markets
- Affordable & Accessible Healthcare Solutions
- Stronger Health Security & Self-Reliance



TAMIL NADU 2035
Intelligence for Every Citizen.
Opportunity for Every Community.
Innovation for Tamil Nadu.

FOCUS AREAS

- MEDICAL DEVICES MANUFACTURING**
High-quality, affordable & indigenous medical devices for global markets.
- DIAGNOSTICS & LAB TECHNOLOGY**
Advanced diagnostics, point-of-care testing and molecular diagnostics.
- DIGITAL HEALTH & AI**
AI-powered healthcare, data platforms, remote monitoring & telemedicine.
- REHABILITATION & ASSISTIVE DEVICES**
Innovative solutions for elderly care, disability support and mobility.
- BIO-MATERIALS & IMPLANTS**
Next-gen implants, biomaterials and tissue engineering.
- RESEARCH & CLINICAL INNOVATION**
Translational research, clinical trials and collaborative innovation.
- HEALTH TECH STARTUPS**
Nurturing startups and entrepreneurs to solve real-world health challenges.

OUR VISION

To build Vellore into a global center for medical devices and health innovation by 2035 – driven by research, technology, compassion and collaboration – to improve lives and strengthen health systems worldwide.



A VIBRANT HEALTH INNOVATION ECOSYSTEM



**BETTER DEVICES.
BETTER CARE.
BETTER TOMORROW.**

OUR COMMITMENT

- INNOVATE**
Create breakthrough solutions
- COLLABORATE**
Build global & local partnerships
- SUSTAIN**
Promote responsible innovation
- EMPOWER**
Nurture talent & entrepreneurs
- EXCEL**
Deliver quality & global excellence

OUR PARTNERS

- CHRISTIAN MEDICAL COLLEGE, VELLORE
- IIT VELLORE
- NIT VELLORE
- INDUSTRY PARTNERS
- GLOBAL INSTITUTIONS
- STARTUPS & MSMEs

**VELLORE LEADS.
TAMIL NADU HEALS.
THE WORLD BENEFITS.**



INTELLIGENCE DRIVES INNOVATION.
INNOVATION DRIVES IMPACT.

SCIENCE FOR SOCIETY

TECHNOLOGY FOR HUMANITY

INNOVATION FOR A HEALTHIER WORLD

VELLORE: THE HEART OF HEALTH INNOVATION

TIRUPATHUR

SUSTAINABLE MATERIALS & CIRCULAR MANUFACTURING CENTER

DESIGNING MATERIALS. PRESERVING TOMORROW.

AI-POWERED INNOVATION FOR A CIRCULAR & CLIMATE-RESILIENT FUTURE

Tirupathur will be a global hub for sustainable materials research, green manufacturing and circular economy solutions—driven by AI, innovation and industry collaboration.

WHY TIRUPATHUR?

- ✓ Strategic location in North Tamil Nadu industrial corridor
- ✓ Proximity to Vellore, Ranipet, Krishnagiri and Bengaluru
- ✓ Access to quality educational & research institutions
- ✓ Growing base of MSMEs & engineering industries
- ✓ Availability of land, water and green energy potential
- ✓ Strong ecosystem for innovation and entrepreneurship



SUSTAINABLE BY DESIGN.
CIRCULAR BY CHOICE.
INTELLIGENT BY AI.



TAMIL NADU 2035
Intelligence for Every Citizen.
Opportunity for Every Community.
Innovation for Tamil Nadu.

FOCUS AREAS

- SUSTAINABLE MATERIALS INNOVATION**
Develop next-gen low carbon, recyclable and performance materials.
- ADVANCED COMPOSITES**
High-performance composites for aerospace, automotive & industrial applications.
- BIO-BASED MATERIALS**
Promote biopolymers, natural fibers and bio-based alternatives.
- CIRCULAR ECONOMY**
Enable resource recovery, recycling, upcycling and zero-waste systems.
- GREEN MANUFACTURING**
Energy-efficient, clean & digitally optimized manufacturing processes.
- AI FOR MATERIALS & PROCESS DESIGN**
AI/ML for materials discovery, life cycle analysis and predictive optimization.
- RESEARCH & INNOVATION LABS**
Centers of excellence in materials science, testing and validation.
- TALENT & ENTREPRENEURSHIP**
Skilling, incubation and industry-academia collaboration for future leaders.

KEY ENABLERS

- AI & High Performance Computing
- Advanced Testing & Characterization Labs
- Pilot Plants & Scale-up Facilities
- Digital Twins & Process Simulation
- Sustainability Certification & Standards
- Collaborative Research Platforms
- Infrastructure, Logistics & Green Energy

IMPACT BY 2035

- ✓ Become a Global Hub for Sustainable Materials Innovation
- ✓ Attract ₹10,000+ Crore Investments
- ✓ Create 50,000+ High-Value Green Jobs
- ✓ Strengthen MSMEs & Export Competitiveness
- ✓ Reduce Carbon Footprint & Promote Resource Security
- ✓ Build a Thriving Circular Economy Ecosystem



OUR STRENGTHS, OUR DIFFERENTIATORS

- Integrated Innovation Ecosystem
- AI-Driven Materials Discovery
- Industry 4.0 Enabled Manufacturing
- Sustainability & ESG Alignment
- Strong Academia & Research Network
- Vibrant Startup & MSME community

TRANSFORMING INDUSTRIES

AUTOMOTIVE & EV Lightweight materials, components & batteries	AEROSPACE & DEFENCE Advanced composites & high performance alloys	RENEWABLE ENERGY Wind blades, solar materials & storage	MEDICAL DEVICES Biocompatible materials & implants	CONSTRUCTION Green concrete, recycled materials & additives	ELECTRONICS Functional materials, coatings & substrates	PACKAGING & CONSUMER Bioplastics, sustainable packaging solutions
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PARTNERS IN PROGRESS

- Government of Tamil Nadu
- Industry Leaders
- Academia
- Global Partners
- Startups & Innovators
- MSMEs & Communities

OUR VISION

To make Tirupathur a global leader in sustainable materials and circular manufacturing—where innovation meets responsibility and progress protects the planet.



“ MATERIALS DRIVE CIVILIZATION. SUSTAINABLE MATERIALS BUILD THE FUTURE.”

- INNOVATE**
Create future-ready solutions
- COLLABORATE**
Multiply impact through partnerships
- SUSTAIN**
Build a circular & climate-resilient future
- EMPOWER**
Develop talent & communities
- EXCEL**
Deliver global excellence

TIRUPATHUR INNOVATES TODAY.
TAMIL NADU LEADS TOMORROW.



COIMBATORE

AI IMPACT. INDUSTRY IMPACT. PEOPLE IMPACT.
BUILDING SOUTH INDIA'S AI CAPITAL

Coimbatore is transforming into the primary Artificial Intelligence innovation hub of South India. Accelerated by the Tamil Nadu government's Mega AI Centre of Excellence (CoE) under a Public-Private Partnership (PPP) model, AI is reshaping our economy, employment landscape, industries and classrooms.

- 1,592+** Registered Startups
A thriving innovation ecosystem
- Tens of Thousands** High-quality Tech Jobs Generated
- Massive Public Datasets** Fueling local AI innovation & solutions
- Deep Industrial Roots** Strong base across manufacturing & services

COIMBATORE AI CENTRE OF EXCELLENCE (GOVERNMENT)

The flagship AI hub driving Coimbatore's digital future

- 18 Acres** Land earmarked for the Mega AI Campus
- 2 Million Sq. Ft.** World-class AI facility under PPP model
- Tens of Thousands** Tech jobs for local youth
- Data Springboard** Collecting, validating & integrating massive public datasets to empower startups and build AI solutions



TAMIL NADU 2035
Intelligence for Every Citizen.
Opportunity for Every Community.
Innovation for Tamil Nadu.

WHY COIMBATORE?

- Strategic location – Gateway of South India
- Strong talent pool & educational institutions
- Robust industrial & manufacturing base
- Thriving startup & innovation ecosystem
- Excellent connectivity & quality of life
- Supportive government & industry collaboration

PRIVATE & INDUSTRY-SPECIFIC CENTRES OF EXCELLENCE

- TAFE – AI & AGTECH CoE**
AI for agriculture, farm equipment, predictive maintenance & smart farming solutions.
- KOVAI.CO – AI CoE**
Building AI products, tools & platforms for industry transformation across sectors.
- SAKTHI GROUP – AI CoE**
AI for smart manufacturing, quality assurance & supply chain optimization.
- ZOHO – AI CoE**
AI-powered business applications, automation and developer ecosystem for global markets.
- KOVAI TECH CLUSTERS (CTC) – AI INITIATIVE**
Enabling SMEs with AI adoption, skilling and innovation support.

More partners and industry CoEs are joining to build a world-class AI ecosystem in Coimbatore.

AI IMPACT ACROSS KEY SECTORS IN COIMBATORE

- MANUFACTURING**
AI for predictive maintenance, quality control, robotics, process optimization.
- TEXTILES & GARMENTS**
AI for demand forecasting, design, automation, quality inspection.
- AGRICULTURE & DAIRY**
AI for precision farming, livestock health monitoring, yield prediction.
- HEALTHCARE**
AI for diagnostics, patient care, hospital operations.
- EDUCATION**
AI for personalized learning, smart content, adaptive assessments.
- LOGISTICS & SUPPLY CHAIN**
AI for route optimization, inventory management, demand planning.

AI IMPACT: OUTCOMES FOR COIMBATORE

- Economic Growth:** Multi-billion rupee boost to district GDP
- Job Creation:** Thousands of direct & indirect tech jobs
- Startup Acceleration:** AI-first startups solving real-world problems
- Industry Productivity:** Higher efficiency, lower costs, better quality
- Better Governance:** Data-driven decisions, smart public services
- Inclusive Growth:** Rural-urban AI adoption, skilling & entrepreneurship

KEY ENABLERS

- World-class AI Infrastructure
- High-quality Datasets
- Compute Power (HPC & Cloud)
- AI Talent & Skilling Programs
- Research & Innovation Labs
- Startup Incubation & Acceleration
- Industry Collaboration & Co-Innovation
- Strong Policy Support
- Ethical AI & Data Governance

THE AI IMPACT CHAIN



AI SKILLING & TALENT DEVELOPMENT



- AI curriculum in schools & colleges
- Industry-led certification programs
- Upskilling for professionals & SMEs
- AI internships, hackathons & bootcamps
- Focus on women, rural youth & underserved groups

COIMBATORE AI: IMPACT TARGETS BY 2030

- ₹10,000+ Cr** AI-led economic contribution
- 50,000+** High-quality Tech Jobs
- 1,000+** AI Startups & Innovations
- 500+** Industry AI Use Cases
- 1 Million+** People Skilled in AI
- Global Recognition as South India's AI Capital

COIMBATORE LEADS. INDUSTRY COLLABORATES. AI TRANSFORMS LIVES.
Together, we build a smarter, stronger, more prosperous Coimbatore.

OUR PARTNERS IN PROGRESS

- Government of Tamil Nadu
- Industry Leaders
- Academic Institutions
- Research Organizations
- Startups & Innovators
- Global Tech Partners
- Investors & VCs

"AI is not just technology. It is a force for inclusive growth, innovation and a better tomorrow."
COIMBATORE. POWERED BY AI.
READY FOR THE FUTURE.



ERODE AI IMPACT 2035

POWERING TRADITION. DRIVING PROSPERITY.

The synergy between Artificial Intelligence adoption and Erode's traditional strengths is creating a smarter, more competitive and sustainable future for our industries, farmers and communities.

ERODE 2035 VISION

To be India's leading AI-enabled Textile, Agri-Commerce and Food Processing Innovation District.



THE TEXTILE VALLEY OF INDIA

CENTER OF EXCELLENCE

ERODE TEXTILE, AGRI & COMMERCE INTELLIGENCE CENTER

Driving AI Innovation. Empowering Industries. Enriching Lives.

- Smart Textiles**
AI-powered manufacturing, design, quality control and export intelligence
- Precision Agriculture**
Turmeric, coconut, paddy and horticulture optimization
- Food Processing Intelligence**
AI-driven storage, grading, logistics and market forecasting
- Rural Entrepreneurship**
Digital marketplaces and MSME acceleration
- Green Manufacturing**
Energy-efficient production and sustainable industrial systems

TAMIL NADU 2035

Intelligence for Every Citizen. Opportunity for Every Community. Innovation for Tamil Nadu.

ERODE AT A GLANCE

- Location:** Western Part of Tamil Nadu
- Area:** 5,672 sq. km
- Population (2024):** ~22.97 Lakhs
- Literacy Rate:** 77.53% (Census 2011)
- Major Strengths:** Textiles, Turmeric, Agriculture, Agro Processing, Coconut, Education, MSMEs
- GI Tagged Products:** Erode Turmeric, Bhavani Jamakkalam

AI IMPACT ACROSS KEY SECTORS

- Textile & Garments:** Higher productivity, lower defects, global competitiveness
- Agriculture & Turmeric:** Better yields, price stability, farmer income growth
- Food Processing:** Better quality, less waste, longer shelf life
- MSMEs & Trade:** Smarter decisions, efficient supply chains, market expansion
- Education & Skills:** AI-ready youth, innovation labs, stronger employability
- Environment & Sustainability:** Lower emissions, efficient water and energy use
- Governance & Services:** Data-driven governance, transparent services, citizen empowerment

ECONOMIC IMPACT BY 2035

- ₹25,000+ Cr Additional Economic Value
- 100,000+ High-Value Jobs
- 40% Increase in Textile Productivity
- 30% Reduction in Manufacturing Waste
- 25% Increase in Farmer Income
- 3X Export Growth in AI-enabled Products

1 POWERING THE "TEXTILE VALLEY" HUB

- AI Loom & Design Optimization:** Generate complex weaving patterns like Bhavani Jamakkalam in minutes.
- Real-time Fabric Inspection:** AI cameras detect defects, holes, tears and uneven dyeing instantly.
- Smart Supply Chain:** Predict demand for fabrics and styles; optimize inventory and logistics.
- Efficiency Gains:** Higher output, less waste, faster delivery, stronger global reach.

2 MAXIMIZING THE "YELLOW CITY" TURMERIC TRADE

- AI Quality Grading:** Image recognition and curcumin analysis for automatic high-precision grading.
- Price & Crop Predictions:** AI models forecast prices and recommend the best time to sell.
- Smart Farmer Advisory:** Localized weather, soil and crop insights via mobile apps.
- Traceability & Certification:** AI-enabled traceability ensures quality and builds global trust.

3 UPGRADING COCONUT & RICE MILLING SECTORS

- Smart Oil & Food Processing:** AI sensors monitor temperature, moisture and machine performance.
- Coconut Processing Analytics:** Maximize oil yield, reduce waste and improve product consistency.
- Smart Rice Milling:** Optimize energy, improve grain quality and reduce breakage.
- Supply Chain Visibility:** End-to-end tracking from farm to market for better transparency.

4 CREATING FUTURE-READY TECH WORKFORCE

- TN SPARK Schools:** Coding, Python, robotics and AI from middle school level.
- Industry-Aligned AI Labs:** Hands-on learning with real industry use cases.
- Green AI Research:** Develops carbon-aware, energy-efficient AI systems and data centers.
- Entrepreneur Accelerator:** Mentoring, funding and AI tools for startups and MSMEs.

FLAGSHIP AI INITIATIVES

- Erode Textile Digital Twin:** Real-time visibility & optimization
- Turmeric Intelligence Network:** AI ecosystem for farmers & traders
- Smart Agro Processing Mission:** Quality, storage & logistics intelligence
- Green Textile Innovation Program:** Low-carbon & circular textile manufacturing
- MSME AI Accelerator:** AI adoption, digital transformation & reformation & market access

OUR PARTNERS IN PROGRESS

- Government of Tamil Nadu
- Industries & Associations
- Academic Institutions
- Research Organizations
- Startups & Innovators
- Community Partners
- Global Tech Partners

ERODE 2035

FROM TEXTILE VALLEY TO INTELLIGENCE VALLEY

AI for Industry. AI for Farmers. AI for Trade. AI for People. AI for Planet.

SALEM 2035

AI-POWERED ADVANCED MATERIALS, SMART MANUFACTURING & COMMERCE CENTER

Salem's rich resources, industrial strength and skilled people can achieve unprecedented growth by 2035 with the power of Artificial Intelligence.



Forging Intelligence. Building Prosperity.



- AI & Automation
- Smart & Sustainable
- Skilled People
- Global Competitiveness
- Inclusive Growth

STRENGTHS OF SALEM DISTRICT

- Steel Production**
Salem Steel Plant – a backbone of quality steel.
- Sago (Javvarisi) Processing**
Leading producer of high quality sago and tapioca products.
- Silver Ornament Crafting**
World-famous silver anklets and ornaments.
- Bauxite & Magnesite Mining**
Rich mineral resources powering industry and growth.

VISION 2035

A global leader in advanced materials, smart manufacturing, and sustainable commerce, powered by AI and driven by our people.

AI IMPACT 2035 – TRANSFORMING LAND, PEOPLE & INDUSTRY

1 TRANSFORMATION OF THE LAND & INDUSTRY

SMART STEEL & MINING

- ✓ AI sensors scan rocks to cut mineral waste.
- ✓ Autonomous AI grids optimize furnaces for zero errors.
- ✓ Digital twins simulate plants for maximum efficiency.
- ✓ Renewable energy powers smart factories and reduces carbon footprint.

2 TRANSFORMATION OF THE PEOPLE

TECH-DRIVEN SILVER ARTISANS

- ✓ Generative AI design creates complex patterns in minutes.
- ✓ Digital tools empower artisans to compete in global markets.
- ✓ Precision machines reduce manual effort and increase quality.
- ✓ Our heritage crafts reach the world.

3 2035 AI IMPACT & POSITIVE OUTCOMES

FLAWLESS QUALITY CONTROL

- ✓ High-speed AI cameras detect microscopic defects in steel & silver.
- ✓ 100% quality assurance with zero compromise.
- ✓ Reduced rejections and higher customer trust.

MODERNIZED SAGO HUBS

- ✓ Computer-vision AI grades tapioca roots instantly.
- ✓ Smart processing ensures high purity and consistency.
- ✓ AI-controlled moisture and temperature for superior quality.
- ✓ Stronger rural clusters, higher farmer incomes and global reach.

SAFE INDUSTRIAL OPERATORS

- ✓ AI safety sensors monitor real-time risks.
- ✓ Remote-controlled machines handle dangerous tasks.
- ✓ Smart PPE and wearables protect every worker.
- ✓ Health monitoring and early risk alerts.
- ✓ From hazardous work to high-tech economy jobs.

PREDICTIVE TRADING & MARKET INTELLIGENCE

- ✓ AI market models predict demand and price movement.
- ✓ Sago & silver merchants sell at the right time for maximum profit.
- ✓ Smart logistics and export intelligence expand global market.

ECONOMIC GROWTH & FUTURE READY SALEM

- ✓ High-paying AI jobs in industry and green tech.
- ✓ More investments, more industries, more opportunities.
- ✓ Retain youth talent locally.
- ✓ Salem transforms into a high-tech smart city of Tamil Nadu.

AI-POWERED CORE SECTORS OF SALEM

STEEL EXCELLENCE

- AI Furnace Optimization
- Defect Prediction
- Energy Efficiency
- Zero Error Production

MINING INTELLIGENCE

- Geological AI Mapping
- Autonomous Drilling & Hauling
- Resource Optimization
- Environmental Monitoring

SAGO LEADERSHIP

- Smart Sorting & Grading
- Automated Processing
- Quality Assurance
- Global Exports

SILVER CRAFTSMANSHIP

- AI Design Platform
- Precision Manufacturing
- Global Marketplace
- Brand Salem Global Identity

ECONOMIC IMPACT BY 2035

₹40,000+ Cr

Additional Economic Value

150,000+

High-Value Jobs Created

50%

Reduction in Industrial Waste

35%

Increase in Manufacturing Productivity

Global Leadership

In Advanced Materials & Craftsmanship

Major Boost in Exports & Foreign Revenue

SUSTAINABLE SALEM 2035

- Clean Energy
- Green Industry
- Clean Water
- Healthy Environment
- Inclusive Growth



- #### AI ENABLERS

 - IoT Sensors & Devices
 - Big Data Analytics
 - Cloud Computing
 - Digital Twin Technology
 - Robotics & Automation
 - Machine Learning
 - 5G / 6G Connectivity
 - Cyber Security & Safety

“ From strong roots to smart futures, Salem leads with intelligence, industry and innovation. ”

– Salem 2035 Vision



SALEM 2035 – INTELLIGENT TODAY. PROSPEROUS TOMORROW.

AI FOR INDUSTRY. AI FOR PEOPLE. AI FOR PROSPERITY.

NAMAKKAL AI POWERING GROWTH TOWARDS 2035

*Strong Roots. Smart Future.
Namakkal Leads.*

VISION 2035

- ✓ AI for Farmers
- ✓ AI for Industry
- ✓ AI for Logistics
- ✓ AI for Prosperity


By 2035, Artificial Intelligence will transform Namakkal's core strengths into a smart, sustainable and globally competitive economy.

OUR CORE STRENGTHS

 POULTRY FARMING Healthy Farms Better Livelihoods	 EGG EXPORTS Quality Eggs Global Reach	 TRUCK BODY BUILDING Strong Industries Skilled Workforce	 TRANSPORT LOGISTICS Smart Movement Seamless Connectivity
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AI IMPACT BY 2035

1 IoT-ENABLED POULTRY FARMS



- ✓ AI sensors monitor hen health 24/7
- ✓ Vocal sound analysis to detect disease early
- ✓ Digital twins for farm performance
- ✓ Automated feeding & climate control
- ✓ Smart egg collection & grading systems
- ✓ Higher productivity & better egg quality

HEALTHIER HENS · HIGHER PRODUCTION · HIGHER EXPORTS

2 AUTONOMOUS LOGISTICS & SMART MANUFACTURING



- AI fleet tracking for real-time route optimization
- Automated machinery builds precision truck bodies
- Predictive maintenance reduces downtime
- Smart warehousing & cargo tracking
- AI routes cargo to reduce fuel waste & time
- Safe, fast & cost-efficient logistics network

AI ROUTING · FUEL SAVING · TIME SAVING · COST EFFECTIVE · LOWER EMISSIONS

SMART BUILD · SMART MOVE · SMART GROWTH

3 DRONE AGRICULTURE & PRECISION FARMING



- AI drones map fields with high accuracy
- Precision crop spraying & fertilization
- Real-time soil & crop health analysis
- Water usage optimization
- Higher yield with lower cost
- Sustainable farming for future generations

PRECISION TODAY · PROSPERITY TOMORROW

ECONOMIC IMPACT BY 2035

 ₹25,000+ Cr Additional Economic Value	 50,000+ High-Value Jobs	 Global Leadership in Egg Exports & Transport	 AI-Driven Industrial Growth	 Sustainable Future
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“ *Innovation in Farms.
Intelligence in Industry.
Excellence in Logistics.
Pride in Namakkal.* ”

AI ENABLERS FOR A STRONGER NAMAKKAL

 IoT Sensors & Devices	 Data Analytics & AI Models	 Automation & Robotics	 Cloud & Connectivity	 Skill Development & Innovation	 Green Energy & Sustainability
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◆ ◆ ◆ NAMAKKAL 2035 – Intelligent Today. Prosperous Tomorrow. ◆ ◆ ◆

KRISHNAGIRI AI IMPACT 2035

NATURAL WEALTH. INDUSTRIAL STRENGTH. AI-POWERED FUTURE.

By 2035, Artificial Intelligence will transform Krishnagiri's core strengths into global advantages—driving smarter industries, higher incomes, sustainable growth and better lives.

Mango Processing Hub	Granite Quarrying Excellence	Electronics Manufacturing Hub	Floriculture & Horticulture Hub
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VISION 2035 AI-POWERED KRISHNAGIRI: SMART INDUSTRIES. SUSTAINABLE RESOURCES. PROSPEROUS PEOPLE.

MANGO PROCESSING	GRANITE QUARRYING	ELECTRONICS MANUFACTURING	FLORICULTURE
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TAMIL NADU 2035

Intelligence for Every Citizen. Opportunity for Every Community. Innovation for Tamil Nadu.

KRISHNAGIRI AT A GLANCE

Location: Northwestern Part of Tamil Nadu	Literacy Rate: 76.28% (Census 2011)
Area: 5,128 sq. km	Major Strengths: Mango Processing, Granite Quarrying, Electronics Manufacturing, Floriculture, Horticulture & Dairy
Population (2024): ~19.40 Lakhs	GI Tag: Mango (Krishnagiri), Flowers & Handicrafts

1 PRECISION MANGO FARMING & SMART PROCESSING

AI for Quality. AI for Global Markets.

- AI Drone Monitoring**
Monitors crop health, detects diseases and estimates yield.
- Smart Irrigation & Weather Intelligence**
AI models optimize water usage and predict weather for higher yields.
- AI Quality Grading & Sorting**
Computer vision systems grade mangoes by size, color, sugar content and ripeness.
- Predictive Demand & Market Intelligence**
AI predicts global demand and recommends best export windows.
- Mango Processing Automation**
AI controls pulping, dehydration, packaging and reduces waste.

Impact: Higher farmer income. Better quality. More exports.

2 ECO-FRIENDLY GRANITE QUARRYING & SMART MINING

AI for Safety. AI for Sustainability.

- AI Geological Mapping**
3D mapping and predictive analytics identify high-quality stone and reduce waste.
- IoT & AI Safety Monitoring**
Real-time monitoring of machines, slopes and workers to prevent accidents.
- Smart Drilling & Cutting**
AI optimizes blasting, cutting patterns and minimizes energy use.
- Environmental Monitoring**
AI sensors track dust, water usage and noise to ensure eco-compliance.
- Logistics & Fleet Optimization**
AI manages vehicle movement and reduces fuel consumption and delays.

Impact: Safer mines. Less waste. Higher stone recovery.

3 SMART ELECTRONICS MANUFACTURING & GLOBAL INNOVATION

AI for Precision. AI for the Future.

- Autonomous Production Lines**
AI robots run 24/7 lines with zero human error in chip & device manufacturing.
- AI Quality Inspection**
Vision systems inspect microchips, PCB and devices for 100% accuracy.
- Predictive Maintenance**
AI predicts machine failures and ensures maximum uptime.
- Supply Chain Intelligence**
AI tracks components and optimizes inventory across global markets.
- R&D & Design Innovation**
AI accelerates product design, testing and prototyping for new devices.

Impact: Higher precision. Lower costs. Global competitiveness.

4 FLORICULTURE & HORTICULTURE EXCELLENCE

AI for Beauty. AI for Better Livelihoods.

- AI Climate Control**
Smart greenhouses maintain ideal temperature, humidity and light.
- Flower Demand Forecasting**
AI predicts demand for flowers in domestic and global markets.
- Automated Grading & Packaging**
AI systems grade flowers by size, color and quality and automate packaging.
- Pest & Disease Detection**
AI detects early signs of pests and suggests organic solutions.
- Cold Chain & Logistics Optimisation**
AI ensures freshness with smart storage and faster delivery.

Impact: Longer shelf life. Higher income. Global reach.

AI IMPACT ACROSS KEY SECTORS

- Industry 4.0**
Smart factories, automation, and productivity.
- Agriculture**
Higher yields, efficient resources and smart farming.
- MSMEs & Entrepreneurship**
AI tools for marketing, finance and business growth.
- Education & Skills**
AI education, digital learning and future-ready youth.
- Environment & Sustainability**
Water conservation, waste reduction and green energy.
- Governance & Services**
AI for citizen services, transparency and data-driven planning.

ECONOMIC IMPACT BY 2035

₹25,000+ Cr Additional Economic Value	75,000+ High-Value Jobs	2X Increase in Exports
40% Increase in Productivity	30% Reduction in Industrial Waste	3X Growth in Global Markets

FLAGSHIP AI INITIATIVES

Krishnagiri AI Mango Innovation Centre	Smart Granite Mining Mission	Electronics AI Excellence Hub	Agri & Horti AI Labs	AI Startup Incubator
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OUR PARTNERS

Government of Tamil Nadu	Industries & Associations	Academic Institutions	Research Organizations	Startups & Innovators	Global Tech Partners
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AI for Farmers	AI for Industry	AI for People	AI for Planet	AI for Prosperity
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KRISHNAGIRI 2035

Where Nature Inspires. Where AI Transforms. Where Prosperity Begins.



DHARMAPURI 2035

NATURAL STRENGTH. GLOBAL IMPACT.

FROM RAW NATURE TO WORLD-CLASS EXPORT POWERHOUSE

Dharmapuri holds incredible, untapped potential beyond regular factories. The Government of Tamil Nadu is pushing specific crop sectors to build massive global export industries by leveraging the district's natural geography.

DHARMAPURI
TAMIL NADU

- Strategic Location
- Fertile Red Soil
- Abundant Water Resources
- Agro Diversity
- Skilled & Entrepreneurial Workforce

“ Our Nature. Our People. Our Products. Our Pride. Our Global Future. ”

MASSIVE NEW EXPORT VERTICALS – POWERING DHARMAPURI'S GLOBAL RISE

01 THE TAMARIND GLOBAL SOURCING HUB

PENNAGRAM TAMARIND – WORLD'S FINEST



The state government is securing a specific **Geographical Indication (GI) tag** for Pennagaram Tamarind.

BY 2035 – AI-DRIVEN PROCESSING FACILITIES

- AI quality grading & sorting
- Advanced pulp extraction
- Hygienic, international-grade processing
- Blockchain based traceability
- Global food safety certifications

EXPORTING PREMIUM PRODUCTS TO EUROPE & MIDDLE EAST

Gourmet Tamarind Paste

Tamarind Pickles

Tamarind Chutneys

Tamarind Concentrates

02 HIGH-VALUE MANGO PULP & CONFECTIONERY EXPORTS

DHARMAPURI MANGOES – NATURE'S SWEET GOLD



Dharmapuri fields grow nearly one-third of the state's mangoes.

BY 2035 – FROM RAW FRUIT TO HIGH-VALUE EXPORTS

- AI ripeness detection & sorting
- High-quality pulp extraction
- Automated processing & packaging
- Value-added product innovation
- Direct global market access

EXPORTING PREMIUM PRODUCTS WORLDWIDE

Mango Pulp & Purees

Mango Syrups

Mango Chocolate Fills

Mango Confectionery

03 ELITE FLORICULTURE GLOBAL EXPORTS

ROSES. JASMINE. TUBEROSE. WORLD-CLASS BEAUTY



The district cultivates vast acres of roses, jasmine, and tuberose.

BY 2035 – AI-POWERED FLORICULTURE SYSTEMS

- AI climate control in greenhouses
- Automated irrigation & fertigation
- Cold chain & smart logistics
- Long-stem grading & quality analytics
- Direct auction & global export platform

FRESH FLOWERS. GLOBAL MARKETS

Roses

Jasmine Garlands

Tuberose

Mixed Bouquets

04 ECO-VALUE COIR RUG INDUSTRIES

FROM COCONUT WASTE TO GLOBAL WEALTH



Capitalizing on its dense coconut plantations, rural cooperatives are shifting toward automated coir processing.

BY 2035 – SUSTAINABLE. AUTOMATED. GLOBAL.

Raw Coconut Husk Collection

Automated Coir Fibre Extraction

AI Quality Grading & Processing

Value-Added Eco Products

Global Export Markets

EXPORTING ECO-FRIENDLY PRODUCTS WORLDWIDE

Coir Rugs & Mats

Coir Geo-Textiles (Erosion Control)

Coir Pith (Bio-Fertilizers)

Horticulture Grow Bags

Organic Mulch & Landscaping Supplies

WHY DHARMAPURI? NATURE GIVES US THE ADVANTAGE

- Fertile Soil
- Ideal Climate
- Abundant Water
- Strategic Connectivity
- Hardworking People
- Strong Cooperative Network

THE DHARMAPURI EXPORT ECOSYSTEM

AI & DIGITAL TECHNOLOGY

FARMER PRODUCER ORGANIZATIONS

PROCESSING & VALUE ADDITION UNITS

COLD CHAIN & LOGISTICS NETWORK

GLOBAL MARKETING & BRANDING

SKILLING & ENTREPRENEURSHIP DEVELOPMENT

SUSTAINABLE ENVIRONMENT MANAGEMENT

ECONOMIC IMPACT BY 2035

₹15,000+ Cr Export Revenue

1,00,000+ New Jobs

3X Increase in Farmer Incomes

Global Brand "Dharmapuri"

Sustainable Rural Prosperity

OUR VISION 2035

Making Dharmapuri a Global Symbol of Sustainable Agriculture, Green Industry & Rural Prosperity.



TOGETHER, WE WILL MAKE DHARMAPURI A GLOBAL EXPORT LEADER

From Our Land To The World

From Raw To Premium

From Local To Global

From Today To Tomorrow

THE NILGIRIS 2035

AI FOR A SUSTAINABLE FUTURE

The Nilgiris is a very special place. It has a beautiful but delicate environment. By the year 2035, AI can do much more than just track frost and manage traffic.

Here is how advanced AI can protect and grow the district's main strengths by 2035.

THE NILGIRIS — OUR STRENGTHS —

- World-Famous Tea
- Rich Biodiversity
- Clean Air & Water
- Tourism & Heritage
- Dairy & Horticulture

VISION 2035

AI for People.
AI for Nature.
AI for Prosperity.

TEA PLANTATIONS: SMART FARMING AND FAIR PRICES

1. ROBOT PICKERS

Perfect Leaves, Perfect Time

- Gentle robots scan tea bushes.
- AI picks only the perfect leaves.
- At the exact right moment.
- Consistent quality, higher value.

2. SMART TASTE TESTERS

Better Flavour, Every Time

- AI machines "smell" and "taste" tea leaves.
- Instant analysis of quality and freshness.
- Factories adjust drying in real-time for the best flavour.

3. FAIR PRICES FOR FARMERS

More Profit, Greater Prosperity

TEA PRICE DASHBOARD

GLOBAL TEA PRICES

BEST TIME TO SELL This Week

EXPECTED PRICE ₹ 220 / kg +12%

SELL NOW

- AI tracks tea prices across the world.
- Predicts market trends.
- Tells farmers the best time to sell.
- Maximum income for our farmers.

Sustainable Nilgiris. Stronger Tomorrow.

AI IMPACT BY 2035

Higher Quality Tea

Higher Incomes for Farmers

Optimized Water & Resource Use

Environment Protection

Stronger Rural Communities

Global Leadership in Sustainable Tea

“ AI helps The Nilgiris grow with care for nature, prosperity for people, and pride for generations. ”

THE NILGIRIS 2035 – INTELLIGENT TODAY, SUSTAINABLE FOREVER.

TRICHY 2035

AI DRIVING INDUSTRY. INNOVATION. IMPACT.
THE HEART OF TAMIL NADU. THE ENGINE OF TOMORROW.

Oxford Economics ranks Tiruchirappalli among the world's 10 fastest-growing cities up to 2035.



CENTRALLY LOCATED. STRATEGICALLY CONNECTED. GLOBALLY COMPETITIVE.

TRICHY'S CORE STRENGTHS



HEAVY ENGINEERING
BHEL TRICHY



PREMIUM EDUCATIONAL INSTITUTIONS
NIT, IIM, ANNA UNIVERSITY



ELECTRONIC MANUFACTURING & IT PARKS



CENTRAL LOCATION
THE HEART OF TAMIL NADU



RICH HERITAGE & CULTURE

AI WILL DRIVE GROUNDBREAKING CHANGES BY 2035

1 IMPACT ON LAND & HEAVY INDUSTRY

AI INDUSTRIAL HUB – BHEL TRICHY



- Industrial AI and predictive maintenance sensors for autonomous operations.
- AI-powered robotics for heavy metal fabrication and precision welding.
- Real-time digital twins for maximum efficiency and zero-defect production.
- Safe, smart and sustainable workplaces for the future.

ADVANCED TECH PARKS & STARTUP HUBS



- ELCOT & TIDEL IT Parks powering DeepTech innovation.
- iTNT Regional Innovation Hub to scale startups and deep-tech ventures.
- AI, IoT, Cybersecurity, Semiconductors, SpaceTech and GreenTech ecosystems.
- Global investors. Local ideas. World-class outcomes.

2 IMPACT ON INSTITUTIONS & STUDENTS

SOVEREIGN AI RESEARCH & DEVELOPMENT



- NIT TRICHY, TATA CENTRE FOR AI & ML, INDIAN AI FOR INDIA'S FUTURE
- TATA Centre for AI & ML at NIT Trichy expands sovereign AI research.
- Designing indigenous AI hardware chips and software frameworks.
- AI for India's Space, Defence, Healthcare and National Missions.
- Research to Reality: Transforming ideas into nation-building solutions.

LOCAL BUSINESS ECOSYSTEMS & INNOVATION



- IIM TRICHY, ANNA UNIVERSITY
- Incubators guide student entrepreneurs to build with Generative AI.
- Custom AI solutions for MSMEs, manufacturing and transport networks.
- Mentorship. Funding. Validation. Scaling.
- Building local businesses with global impact.

TRICHY: WHERE FUTURE FOUNDERS RISE

Upcoming regional founders utilize tech mentorship and validation programs right inside Trichy to build future-ready startups.

<p>Incubation Centers 20+</p>	<p>Startups Supported 500+</p>	<p>Mentors & Experts 200+</p>	<p>Successful Innovations 100+</p>
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SUPPORT ECOSYSTEM

- Idea to Prototype Labs
- AI/ML & DeepTech Mentorship
- Investor Connect Programs
- Government & Industry Collaboration
- Global Market Access

AI TRANSFORMING TRICHY'S KEY SECTORS

HEAVY ENGINEERING & MANUFACTURING



- AI-driven process optimization and predictive maintenance.
- Autonomous material handling and quality inspection.
- Digital twins for plant performance and safety.

ELECTRONICS & IT MANUFACTURING



- AI-powered defect detection and testing.
- Smart supply chain and logistics management.
- Boosting Make in India with intelligent automation.

SMART CITY & MOBILITY



- AI traffic management and smart transport systems.
- Public safety with AI surveillance and analytics.
- Sustainable urban planning and smart infrastructure.

EDUCATION & RESEARCH



- AI-powered learning and personalized education.
- Research in AI, Robotics, Quantum and SpaceTech.
- Global collaborations and innovation challenges.

HEALTHCARE & WELLNESS



- AI for early disease detection and diagnostics.
- Telemedicine and rural healthcare upliftment.
- AI-driven drug discovery and health research.

AGRICULTURE & ENVIRONMENT



- AI-based crop monitoring and yield prediction.
- Smart irrigation and water management.
- Sustainable farming for food security.

VISION 2035 TRICHY WILL BE



A GLOBAL INDUSTRIAL AI POWERHOUSE

A DEEPTech INNOVATION CAPITAL

A STARTUP & ENTREPRENEURSHIP LEADER

A SMART, SUSTAINABLE & INCLUSIVE METROPOLIS

A TALENT MAGNET THAT KEEPS YOUTH AT HOME

TRICHY 2035

SMARTER TODAY. STRONGER TOMORROW. LIMITLESS FOREVER.



KARUR AI IMPACT 2035

WEAVING PROSPERITY. DRIVING TOMORROW.

By 2035, Artificial Intelligence will elevate Karur's traditional strengths into a global advantage—creating smarter industries, skilled jobs and sustainable prosperity for every citizen.



VISION 2035 AI-POWERED KARUR: SMART INDUSTRY. GLOBAL IMPACT. SUSTAINABLE FUTURE.

HOME TEXTILE EXPORTS BUS BODY BUILDING MOSQUITO NET MANUFACTURING

TAMIL NADU 2035
Intelligence for Every Citizen. Opportunity for Every Community. Innovation for Tamil Nadu.

KARUR AT A GLANCE

Location Central Part of Tamil Nadu	Literacy Rate 82.24% (Census 2011)
Area 1,573 sq. km	Major Strengths Home Textiles, Bus Body Building, Mosquito Nets, Agro Trade, Dairying, MSMEs
Population (2024) ~10.25 Lakhs	Export Leadership Leading Exporter of Home Textiles in India

1 SMART TEXTILE DESIGN & EXPORT EXCELLENCE
AI for Creative. AI for Global.

- AI Fashion Trend Forecasting**
Predict global trends, colors and demand for home textile markets.
- AI Designs & Pattern Generation**
Automate weaving patterns and reduce design-to-sample time.
- Smart Quality Inspection**
AI vision systems detect defects and ensure consistent export quality.
- Export Demand Intelligence**
AI analytics for country-wise demand prediction and pricing.
- Sustainable Manufacturing**
Optimize energy, water and dyeing processes with AI.

Impact: Higher exports. Better margins. Global leadership.

2 AUTONOMOUS BUS BODY BUILDING & MOBILITY
AI for Safety. AI for the Future.

- AI-Powered Design Engineering**
Generative design for lightweight, safe and energy-efficient bus bodies.
- Robotic Welding & Cutting**
AI robots ensure precision, consistency and zero human error.
- Predictive Maintenance**
AI predicts machine issues and minimizes downtime.
- Smart EV Manufacturing**
AI optimizes assembly of electric buses and components.
- Digital Twin & Simulation**
Virtual testing for strength, safety and performance.

Impact: Safer buses. Lower costs. Global competitiveness.

3 PRECISION SUPPLY CHAINS & SMART FACTORIES
AI for Efficiency. AI for Sustainability.

- AI Demand Forecasting**
Accurate sales and production planning.
- Smart Inventory Management**
Real-time tracking of yarn, fabric, steel and components.
- Logistics Optimization**
AI routes, shipment tracking and delivery optimization.
- Waste Reduction**
AI identifies waste points and recommends improvements.
- Supplier Performance Analytics**
Data-driven evaluation and stronger supplier partnerships.

Impact: Lower inventory. Faster delivery. Zero waste.

4 FUTURE-READY WORKFORCE & INNOVATION ECOSYSTEM
AI for People. AI for Progress.

- AI & Robotics Training**
Industry-aligned training for future jobs.
- Innovation & Startup Hubs**
Support startups in textiles, mobility and smart manufacturing.
- Digital Learning Platforms**
AI-powered learning and skill certification.
- Women Empowerment**
AI-enabled opportunities for women entrepreneurs.
- Industry-Academia Collaboration**
Research, labs and real-world innovation.

Impact: Skilled talent. Strong ecosystem. Inclusive growth.

AI IMPACT ACROSS KEY SECTORS

- Textiles & Exports**
Global trend prediction, quality assurance and smart logistics
- Auto & Mobility**
AI-powered design, robotics and EV manufacturing
- Manufacturing MSMEs**
Higher productivity, predictive maintenance and lower downtime
- Agro & Dairy**
Smart procurement, demand forecasting and cold chain optimization
- Education & Skills**
AI-driven learning, industry-ready workforce and innovation labs
- Environment & Sustainability**
Energy optimization, waste reduction and green manufacturing
- Governance & Services**
Data-driven planning, citizen services and transparent governance

ECONOMIC IMPACT BY 2035

₹18,000+ Cr Additional Economic Value	75,000+ High-Value Jobs	40% Increase in Export Value
30% Increase in Manufacturing Productivity	25% Reduction in Factory Waste	2X Growth MSMEs

FLAGSHIP AI INITIATIVES

- Karur Textile AI Design Hub
- Smart Bus Innovation Center
- AI-Enabled Factory Program
- Karur Export Intelligence Platform
- AI Supply Chain Control Tower
- MSME AI Acceleration Program

OUR PARTNERS

- Government of Tamil Nadu
- Industries & Associations
- Academic Institutions
- Research Labs
- Startups & Innovators
- Community Partners
- Global Tech Partners

KARUR 2035
Tradition in Our Roots. Intelligence in Our Future.

DINDIGUL AI IMPACT 2035

TRADITION. INNOVATION. PROSPERITY.
POWERED BY ARTIFICIAL INTELLIGENCE

By 2035, AI will transform Dindigul into a globally competitive, sustainable and inclusive district economy—driven by its timeless craftsmanship, strong industries and rich agricultural heritage.



From Heritage to High Intelligence



TAMIL NADU 2035

Intelligence for Every Citizen.
Opportunity for Every Community.
Innovation for Tamil Nadu.

DINDIGUL AT A GLANCE

Location South Western District of Tamil Nadu	Literacy Rate 80.10% (Census 2011)
Area 6,249 sq. km	Major Strengths Handicrafts, Textiles, Agriculture, Leather, Trade
Population (2024) ~2.45 Lakhs	GI Tagged Products Dindigul Locks, Chinnalappatti Silk, Sungudi Sarees

1 REVITALISING TRADITIONAL LOCK MAKING

500+ Years of Unbreakable Legacy

AI IMPACT

- Generative Design Optimization**
AI models help artisans design new master-key variants and complex security mechanisms without compromising traditional quality.
- Counterfeit Detection**
Image-recognition AI instantly verifies genuine Dindigul locks by analyzing weld marks, surface texture and finishes.

2 ACCELERATING TEXTILE & HANDLOOM HUB

Weaving Tradition, Spinning the Future.

AI IMPACT

- AI Fashion Trend Forecasting**
Generative AI analyzes global trends to suggest new color combinations, patterns and designs for Sungudi & Chinnalappatti sarees.
- Quality Assurance Cameras**
AI-powered high-speed cameras detect snags, color inconsistencies and fiber breakages. In real-time, reducing waste & improving quality.

3 BOOSTING AGRO-PROCESSING SUPPLY CHAIN

From Farm to Market – Smarter with AI

AI IMPACT

- Predictive Price Forecasting**
AI models predict prices using weather, demand, crop yield and market trends – empowering farmers with real-time price guidance.
- Smart Cold Storage**
AI sensors dynamically adjust temperature & humidity for different produce, tripling shelf life and reducing post-harvest losses.

ECO-FRIENDLY LEATHER TANNING

Cleaner Processes. Greener Tomorrow.

AI IMPACT

- Precision Chemical Mixing**
AI calculates exact chemical requirements based on skin texture & thickness, reducing hazardous waste by up to 50%.
- Smart Effluent Tracking**
AI monitors ETP parameters in real-time, ensuring compliance and enabling reuse of clean water for sustainable tanning.

AI IMPACT ACROSS KEY SECTORS

Manufacturing	Higher productivity, safer workplaces and global competitiveness
Agriculture	Higher yields, lower costs and climate-resilient farming
MSMEs & Handicrafts	Market access, design innovation and business growth
Education & Skilling	AI-based learning, digital classrooms and future-ready youth
Healthcare	AI diagnostics, telemedicine and early disease detection
Governance	Data-driven decisions and smarter public service delivery
Tourism & Culture	AI-powered heritage promotion and smart tourism experiences

AI ENABLERS POWERING DINDIGUL

High-Speed Digital Connectivity (Fiber & 5G)	AI Training & Innovation Labs in Schools & Colleges	Industry 4.0 Adoption for MSMEs & Clusters	Startup & Innovation Ecosystem Support	Data Platforms & District Command Centers	Strong Public-Private Partnerships (PPP)
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OUTCOMES BY 2035

₹15,000+ Cr Increase in District GDP	75,000+ Quality Jobs Created	5X Rise in Exports of Local Products	50,000+ AI-Skilled Youth Workforce	Smart, Green & Sustainable Industries	Better Quality of Life for All Citizens
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“ AI is not just about technology. It is about empowering our people, preserving our heritage and building a prosperous future for Dindigul. — Together, Let's Build AI-Dindigul 2035

OUR PARTNERS

Government of Tamil Nadu	Industries & Associations	Academic Institutions	Research & Innovation Labs	Startups & MSMEs	Community Organizations	Global Tech Partners
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DINDIGUL 2035

WHERE HERITAGE MEETS INTELLIGENCE.
WHERE TRADITION POWERS INNOVATION.

AI TODAY. PROSPERITY TOMORROW.

ARIYALUR 2035

FROM NATURAL WEALTH TO INDUSTRIAL EXCELLENCE
AI-POWERED. PEOPLE-LED. GLOBALLY CONNECTED.

Ariyalur leverages rich limestone deposits, fossil beds, and heavy cashew farming into a **massive industrial hub**.

OUR STRENGTHS

- World-class Limestone Reserves
- Fossil & Paleontological Heritage
- Thriving Cashew Cultivation
- Growing Cement Industry Belt
- Strategic Location & Connectivity
- Hardworking & Aspirational People



“Transforming Natural Advantages into Next-Gen Industrial Leadership.”



BY 2035, AI WILL DRIVE EXPONENTIAL GROWTH

1 AUTONOMOUS CEMENT KILNS

AI sensors will monitor furnace temperatures and raw materials in real-time to achieve **zero carbon waste**.



- Real-time Temperature Monitoring
- Predictive Maintenance
- Raw Material Optimization
- Zero Carbon Waste

CLEANER PRODUCTION. HIGHER EFFICIENCY. SUSTAINABLE FUTURE.

2 COMPUTER-VISION SORTING

Robotic arms will use AI scanners to instantly grade and pack premium cashews for **international export**.



AI QUALITY SCAN
GRADE: PREMIUM
SIZE: LARGE
DEFECTS: 0%
MOISTURE: OPTIMAL
READY FOR EXPORT

- AI Scanning & Grading
- Robotic Sorting
- Smart Packaging
- Export-Grade Quality

PREMIUM QUALITY. GLOBAL MARKETS. HIGHER INCOMES.

3 PALEO-TOURISM PORTALS

AR/VR systems will use generative AI to turn the district's fossil fields into interactive, **global tourism centers**.



GENERATIVE AI RECONSTRUCTION
150 MILLION YEARS AGO

- AR/VR Experiences
- AI Fossil Reconstruction
- Interactive Museums
- Global Tourism

PRESERVING HERITAGE. DRIVING TOURISM. SHARING OUR STORY.

EMPOWERING PEOPLE. BUILDING FUTURES.

SKILLING THE WORKFORCE FOR TOMORROW

- AI & Automation Training for Cement & Processing Plants
- Robotics & Machine Operation Programs
- Quality Control & Food Processing Skills
- Safety, Sustainability & Green Industry Practices



FROM RAW LABORERS TO HIGHLY SKILLED OPERATORS

THRIVING INDUSTRIES. BRIGHTER FUTURES.



ARIYALUR 2035 – A MODEL FOR SUSTAINABLE INDUSTRIAL GROWTH

- 100% AI-DRIVEN INDUSTRIES
- ZERO CARBON WASTE
- GLOBAL QUALITY EXPORTS
- THRIVING TOURISM ECONOMY
- SKILLED YOUTH WORKFORCE
- PROSPEROUS COMMUNITIES & FUTURE

OUR VISION

To make Ariyalur a global benchmark for AI-powered industry, sustainable growth, and inclusive prosperity.

NATURAL WEALTH IS OUR FOUNDATION.

TOGETHER, WE BUILD A LIMITLESS FUTURE.

AI & PEOPLE ARE OUR POWER.

PERAMBALUR 2035

HYPER-CONNECTED. AI-DRIVEN. GLOBALLY COMPETITIVE.

FROM DRY PLAINS TO A GLOBAL TRADE MACHINE.

THE HONG KONG MODEL. THE PERAMBALUR ADVANTAGE.

Perambalur leverages its strategic highway geography, mineral-rich land, and massive industrial parks into a hyper-connected export gateway. By 2035, we don't follow standard growth. We build the future—faster, smarter, bigger.

STRATEGIC HIGHWAY CONNECTIVITY NH-45 Corridor	MINERAL-RICH LAND Limestone Abundance	MEGA INDUSTRIAL PARKS 1,700 Acre SIPCOT Park	SKILLED YOUTH TALENT POOL Engineering-Focused Workforce
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CURRENT FOUNDATION: THE BASELINE

- Land & Geography:** Flat, arid terrain along NH-45 highway. Rich in limestone deposits and ideal for agriculture.
- Current Industry:** Mega cement plants and 1,700-acre SIPCOT park powering footwear and electronics exports.
- Institutions & Talent:** Technical colleges and training centers produce a steady stream of disciplined, skilled youth.
- Strategy:** Shift rural agricultural workers directly into advanced, high-volume manufacturing lines.



2035 GLOBAL IMPACT: THE HONG KONG STYLE TRANSFORMATION

1 MULTI-TIER AUTONOMOUS LOGISTICS HUBS

High-Speed. High-Volume. Zero Delays.

- Multi-story AI-run automated warehouses modelled on Hong Kong's vertical hubs.
- Robotic cranes & AI tracking sort, pack & load 24/7.
- Shoes, electronics, food cargo moved to trucks—non-stop.
- Direct sync with global ports for seamless international trade.

MOVE MORE. FASTER. SMARTER.

24/7 AUTONOMOUS OPERATIONS	100% AI TRACKING VISIBILITY	ZERO DELAY LOGISTICS	GLOBAL PORT SYNC
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2 AUTOMATED MICROCHIP & FOOTWEAR LINES

Design Smart. Manufacture Smarter. Export Global.

- Generative AI instantly designs custom footwear & electronic components.
- Robotic arms assemble with perfect precision.
- Fully autonomous factories ensure high quality & scale.
- Local plants supply top global brands at lightning speed.

SMARTER FACTORIES. GLOBAL BRANDS.

99.99% PRECISION	AI GENERATIVE DESIGNS	HIGH-VOLUME AUTO MANUFACTURING	GLOBAL EXPORT EXCELLENCE
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3 SMART STORAGE NETWORKS

Zero Waste. Maximum Value.

- AI-managed smart silos for onions, maize & other crops.
- Sensors read moisture, gas & temperature in real time.
- Auto-adjusts conditions to triple the shelf-life.
- Farmers sell when global demand & prices are highest.

STORE SMART. SELL HIGH. GROW WEALTH.

3X SHELF-LIFE	ZERO POST-HARVEST LOSS	MAX FARMER INCOME	GLOBAL MARKET ACCESS
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THE PEOPLE: A NEW GENERATION OF GLOBAL TRADERS

FROM LABORERS TO TECH DIRECTORS

Work Smarter. Lead Better.

- Workers manage advanced robotic systems using simple, native-language AI screens.
- Move from heavy manual work to high-skill, high-income roles.
- Continuous upskilling through AI-powered training.

NEW SKILLS. BETTER JOBS. BRIGHTER FUTURES.

ZERO-MIGRATION CAREERS

Build Global. From Perambalur.

- Local graduates run global trading startups & export businesses.
- Manage international supply lines, logistics & digital trade.
- High-paying careers without leaving hometown.

STAY HOME. GO GLOBAL.

COMMUNITY PROSPERITY 2035

Stronger Families. Stronger Perambalur.

- Higher incomes for farmers, workers & entrepreneurs.
- Better education, healthcare & infrastructure.
- A resilient, inclusive and prosperous district.

PROSPERITY FOR ALL. PROGRESS FOR GENERATIONS.

PERAMBALUR 2035 VISION
A hyper-connected export gateway powered by AI, automation, and world-class logistics—where talent, agriculture, and industry unite to create limitless opportunities.

GLOBAL TRADE HUB	AI-DRIVEN AUTOMATION	SUSTAINABLE GROWTH	INCLUSIVE PROSPERITY
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THE HONG KONG PLAYBOOK. THE PERAMBALUR POWER.

- Think Global
- Move Fast
- Use Technology
- Maximize Infrastructure
- Empower People
- Create Wealth

PERAMBALUR RISES. TAMIL NADU PROSPERS. INDIA LEADS.

THANJAVUR 2035

AI POWERING HERITAGE. AGRICULTURE. AEROSPACE. ART. PROSPERITY.

ROOTED IN CIVILISATION. DRIVEN BY INNOVATION. BUILT FOR THE FUTURE.

By 2035, Thanjavur becomes a global model where Artificial Intelligence enhances our ancient wisdom, empowers our people and creates a prosperous, sustainable and self-reliant future.

- PADDY POWERHOUSE
CAUVERY DELTA
- UNESCO HERITAGE
TOURISM
- GI-TAGGED
TRADITIONAL PAINTINGS
- AEROSPACE &
INNOVATION

THANJAVUR
TAMIL NADU

- Fertile Cauvery Delta
- Rich Heritage & Culture
- Skilled People
- Strong Education Ecosystem
- Innovation & Entrepreneurship



GROUNDBREAKING AI WILL TRANSFORM THANJAVUR BY 2035

1 AUTONOMOUS SKYWAYS DRONES FOR SMART AGRICULTURE



Local aerospace ventures like Yali Aerospace will run drone networks across fields to spray nutrients and map crop health.

- AI drones for precision nutrient spraying
- Real-time crop health & soil mapping
- Higher yields with fewer resources
- New rural jobs in drone operations and maintenance



2 SMART CHOLA CANALS AI FOR WATER, LIFE & RESILIENCE



Satellite AI and ground sensors will dynamically manage water gates along ancient river networks to stop delta floods and ensure water security.

- AI + IoT sensors for real-time monitoring
- Smart water gate automation
- Flood prediction & drought prevention
- Protecting farms, homes and heritage

**ANCIENT WISDOM. AI PRECISION.
WATER FOR GENERATIONS.**

3 AI ART CO-PILOTS HERITAGE MEETS GENERATIVE AI



Heritage painters will use generative AI to map complex gold-leaf layouts instantly, accelerating global custom exports while preserving tradition.

- AI-assisted design & layout generation
- Preserve traditional styles, speed up creation
- Global e-commerce for art & crafts
- Empowering artisans, scaling incomes

**TRADITION PRESERVED. INNOVATION
EMPOWERED. GLOBAL RECOGNITION.**

THANJAVUR'S CORE STRENGTHS

**CAUVERY DELTA
PADDY FARMING**

One of India's most fertile deltas. Feeds millions. Powers prosperity.

UNESCO HERITAGE TOURISM

Brihadeeswarar Temple & Chola legacy attract global visitors. Culture is our economic strength.

GI-TAGGED TRADITIONAL PAINTINGS

Thanjavur Paintings – a GI pride. Timeless art. Limitless global demand.

EDUCATION & INNOVATION ECOSYSTEM

SASTRA
DEEMED TO BE UNIVERSITY

SASTRA University and institutions nurture talent and drive innovation.

**ZERO-MIGRATION
TECH REVOLUTION**

By 2035, Thanjavur will pioneer a Zero-Migration Tech Revolution. Regional institutions like SASTRA University will deploy decentralised AI labs. Armed with native-language generative tools, local students will code global software and run autonomous aerospace networks directly from their villages. Ending urban brain drain. Turning rural youth into global tech founders.

**DECENTRALISED
AI LABS**

AI labs in towns and villages.

**NATIVE LANGUAGE
AI TOOLS**

Code and innovate in Tamil.

**GLOBAL SOFTWARE
FROM RURAL INDIA**

Build world-class products from home.

**AUTONOMOUS AEROSPACE
NETWORKS**

Operate drones and systems globally.

**RURAL YOUTH
GLOBAL FOUNDERS**

Dream local. Impact global.

AI IMPACT – 2035 OUTCOMES

- 2X PADDY YIELD WITH LESS WATER
- ZERO FLOOD DAMAGE THROUGH AI WATER SYSTEMS
- THOUSANDS OF RURAL TECH JOBS CREATED
- GLOBAL LEADER IN HERITAGE ART & HANDCRAFT EXPORTS
- STRONGER TOURISM. SUSTAINABLE ECONOMY
- SELF-RELIANT. PROUD. PROSPEROUS THANJAVUR

PEOPLE. PLANET. PROSPERITY.

- Sustainable Agriculture
- Clean Water for All
- Heritage Preserved
- Green Energy Future
- Inclusive Growth

VISION 2035

Where AI meets Agriculture.
Where Heritage meets Innovation.
Where People lead the Future.



TIRUVARUR WATER INTELLIGENCE CENTER

WATER SMART TODAY. WATER SECURE TOMORROW.

Building an intelligent water future through data, technology and community partnership.



TAMIL NADU 2035
Intelligence for Every Citizen.
Opportunity for Every Community.
Innovation for Tamil Nadu.

FOCUS AREA

- WATER RESOURCE MONITORING**
Real-time monitoring of rain-fall, river levels, reservoirs, ponds and groundwater.
- WATER MANAGEMENT SYSTEMS**
Integrated planning and operations for storage, distribution and usage.
- FLOOD & DROUGHT INTELLIGENCE**
Early warning systems and predictive modeling for extreme events.
- GROUNDWATER INTELLIGENCE**
Aquifer mapping, recharge planning and sustainable extraction.
- DATA-DRIVEN GOVERNANCE**
Dashboards and decision support tools for departments and local bodies.
- COMMUNITY & STAKEHOLDER ENGAGEMENT**
Empowering communities through data, awareness and citizen participation.

WHY TIRUVARUR?

- ✓ Land of rivers, lakes and traditional water bodies
- ✓ Rich agrarian economy dependent on water
- ✓ Strong community participation in water initiatives
- ✓ Strategic location in the Cauvery Delta
- ✓ Opportunity to lead India in Water Intelligence



KEY CAPABILITIES



IMPACT

- 1. Sustainable water resources for future generations
- 2. Improved agricultural productivity and farmer income
- 3. Reduced flood and drought risks
- 4. Efficient and transparent water governance
- 5. Stronger communities and local stewardship
- 6. Resilient ecosystems and clean environment

OUR VISION

To make Tiruvarur a global model for intelligent water management—where technology meets tradition, and every drop creates a better future.

WATER IS OUR HERITAGE. INTELLIGENCE IS OUR FUTURE.



TIRUVARUR WATER INTELLIGENCE CENTER
POWERING A RESILIENT TAMIL NADU.

NAGAPATTINAM

Heritage by the Sea. Prosperity with Intelligence.

**STRENGTHS TODAY. SMARTER TOMORROW.
TOWARDS 2035**

By 2035, Artificial Intelligence will transform Nagapattinam's traditional strengths into a smart, sustainable and globally connected economy.

“ Intelligent Coasts.
Global Connections.
Prosperous Communities.”

VISION 2035

**AI-DRIVEN NAGAPATTINAM:
A SMART COASTAL ECONOMY
FOR A SUSTAINABLE FUTURE**

OUR STRENGTHS

<p>MARINE FISHING Rich marine resources, skilled fishing community, sustainable livelihoods.</p>	<p>INTERNATIONAL PORT TRADE Strategic port location, global trade connectivity, economic growth engine.</p>	<p>PILGRIM TOURISM Famous temples and heritage sites, spiritual tourism, cultural legacy.</p>	<p>COASTAL AQUACULTURE Thriving aquaculture, healthy coastal ecosystem, growing global demand.</p>
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NAGAPATTINAM AT A GLANCE

<p>Location Cauvery Delta Coast, Tamil Nadu</p> <p>Population (2024) ~10.5 Lakhs</p> <p>Area ~2,667 sq. km</p>	<p>Literacy Rate 82.1% (Census 2011)</p> <p>Key Strengths Marine Fishing, Port Trade, Pilgrim Tourism, Coastal Aquaculture</p> <p>Key Opportunities AI in Fisheries, Smart Ports, Tourism Tech, Blue Economy</p>
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AI IMPACT 2035 – POWERING GROWTH WITH INTELLIGENCE

<p>AI FOR SMART FISHING & OCEAN SAFETY</p> <ul style="list-style-type: none"> AI Sea Sensors Monitor ocean conditions, fish movement, and weather in real-time. Smart Fishing Guidance AI predicts high-yield zones and safest routes for boats. Disaster & Safety Alerts Early warnings for storms, rough seas, and emergencies. Sustainable Catch Data-driven insights ensure responsible and sustainable fishing. 	<p>AI FOR SMART PORTS & GLOBAL TRADE</p> <ul style="list-style-type: none"> Smart Port Automation AI-powered cranes, autonomous vehicles, and smart operations. Real-time Cargo Tracking End-to-end visibility and AI-driven logistics optimization. Predictive Maintenance AI predicts equipment issues and reduces downtime. Efficient & Green Operations Lower emissions, reduced costs, higher efficiency. 	<p>ENABLING ECOSYSTEM</p> <ul style="list-style-type: none"> AI Research & Innovation Hub Driving ocean, port & tourism innovations. Digital Infrastructure High-speed connectivity, data platforms, cloud. Skill Development Training youth in AI, analytics, marine tech & logistics. Public-Private Partnerships Collaborations for sustainable development.
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<p>ECONOMIC GROWTH TOWARDS 2035</p> <ul style="list-style-type: none"> ₹20,000+ Cr Additional Economic Value 50,000+ High-Value Jobs Boost in Exports & Port Throughput Sustainable Blue Economy Development Growth in Pilgrim Tourism & Local Businesses 	<p>OUR COMMITMENT</p> <ul style="list-style-type: none"> INNOVATE with Intelligence INTEGRATE for Efficiency COLLABORATE for Growth SUSTAIN for Future EMPOWER Communities 	<p><i>From Tradition to Transformation. From Coast to Global Competitiveness.</i></p> <p>Nagapattinam 2035 – Smarter Today, Stronger Tomorrow.</p>
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MAYILADUTHURAI 2035

ROOTED IN HERITAGE. DRIVEN BY AI. CONNECTED TO THE WORLD.

Mayiladuthurai leverages its hyper-fertile Cauvery delta landscape, coastal access, and deep spiritual heritage into a highly resilient agro-maritime economy.

- Hyper-Fertile Cauvery Delta
- Strategic Coastal Access (Poompuhar Coast)
- Rich Spiritual & Cultural Heritage (Chola Legacy)



MAYILADUTHURAI
TAMIL NADU

- SUSTAINABLE GROWTH
- GLOBAL COMPETITIVENESS
- CULTURAL PRESERVATION
- PEOPLE EMPOWERMENT



BY 2035, AI WILL TRIGGER AN EXTRAORDINARY REGIONAL BOOM

JAPAN-STYLE AUTONOMOUS AGROROBOTICS

Fully automated farming zones in the Cauvery delta ensure maximum yield with zero crop loss.

- Unmanned AI tractors & robotic weeders
- Smart water gates with satellite weather data
- AI irrigation control & soil health monitoring
- Predictive crop intelligence to prevent losses
- Higher productivity with lower water usage

ZERO CROP LOSS. MAXIMUM YIELD. SUSTAINABLE FOREVER.

SINGAPORE-STYLE SMART MARITIME TRADE

Poompuhar Coast becomes a smart maritime hub with AI-driven operations and global connectivity.

- AI coastal command centers & real-time marine data
- Smart fishing fleet guidance & safety systems
- Automated aquaculture with self-regulating sensors
- Advanced cold chain & logistics automation
- Premium seafood exports to global markets

SMART COAST. STRONG FLEETS. GLOBAL MARKETS.

USA-STYLE GENERATIVE HERITAGE PORTALS

AI-powered global tourism networks bring Chola heritage to life for the world.

- Multi-language AI travel brains for global tourists
- AR glasses for real-time heritage reconstruction
- AI-powered guides & immersive storytelling
- Smart visitor management & crowd analytics
- Global digital platforms for temple tourism

PRESERVE HERITAGE. INSPIRE GENERATIONS. DRIVE TOURISM.

IMPACT ON THE PEOPLE – EMPOWERING FUTURES

ENDING METROPOLITAN BRAIN DRAIN

Native-language AI coding tools empower rural youth to build global software from local hubs.

- AI-powered coding in Tamil
- Build enterprise software locally
- High-paying jobs in hometowns
- Stronger families, stronger villages

LOCAL TALENT. GLOBAL IMPACT.

THE RISE OF TECH-ARTISANS

Generative AI design co-pilots help traditional artisans create, customize, and export globally.

- AI design co-pilots for artisans
- Intricate designs in seconds
- Scale production with smart tools
- Export customized art worldwide

TRADITION + TECHNOLOGY = LIMITLESS OPPORTUNITY.

ASPIRATION GOALS 2035

- 3X** Increase in Farm Income
- 2X** Growth in Seafood Exports
- 5X** Increase in Tourism Revenue
- 100%** Smart Water Management
- Zero** Crop Loss from Floods
- 10,000+** Rural Tech Entrepreneurs

A GLOBALLY CONNECTED MAYILADUTHURAI

MAYILADUTHURAI 2035 HERITAGE IS OUR STRENGTH. INNOVATION IS OUR FUTURE.



PEOPLE-CENTRIC | NATURE-POSITIVE | TECH-ENABLED | GLOBALLY CONNECTED

TOGETHER, WE BUILD A PROSPEROUS, SUSTAINABLE AND GLOBALLY RESPECTED DISTRICT.

CUDDALORE

AI IMPACT: POWERING INDUSTRY, AGRICULTURE, SAFETY & SUSTAINABLE GROWTH

Artificial Intelligence (AI) is transforming Cuddalore district by building directly on the region's specific geographic, economic, and industrial strengths. Rather than trying to match the software hubs of big cities, Cuddalore's AI impact focuses heavily on optimizing its massive chemical sectors, large-scale agriculture, and public safety infrastructure.

Population ~2.6 Lakhs+	Area 3,685 sq. km	Literacy Rate 74.45%	Coastline 57 km	Predominantly Rural Economy
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CUDDALORE AI CENTRE OF EXCELLENCE

AI FOR INDUSTRY. AI FOR AGRICULTURE. AI FOR SAFETY. AI FOR PEOPLE.

- Building a future-ready district using AI innovation and local strengths
- Driving efficiency, safety, sustainability and inclusive growth
- Skilling youth and empowering communities with AI-enabled solutions
- Collaborating with industries, academia, and government for real impact



1 INDUSTRIAL & CHEMICAL HUBS (CUDDALORE TOWN & SIPCOT)



STRENGTHS

- SIPCOT industrial complex
- Chemical, pharmaceutical & biotechnology companies
- Skilled industrial workforce

AI IMPACT

- AI for predictive maintenance & machine health monitoring
- Process optimization & automation in chemical manufacturing
- AI for safety systems to prevent accidents & shutdowns
- AI-powered product design & simulation (e.g., Fusion 360) skilling local talent

2 THE CASHEW & SUGARBOWL BELT (PANRUTI, VADALUR & NELLIKUPPAM)



STRENGTHS

- 60% of Tamil Nadu's cashews
- Major sugarcane producing region
- Large agri-based industries

AI IMPACT

- AI-powered crop health monitoring using smart cameras & drones
- Early disease detection & yield prediction
- Precision farming & resource optimization
- AI for supply chain & demand forecasting in cashew & sugar industries
- Faster, citizen-friendly services at agricultural extension centres

3 THE ENERGY CAPITAL (NEYVEL)



STRENGTHS

- Neyveli Lignite Corporation (NLC)
- Major power generation & mining hub
- Growing solar energy capacity

AI IMPACT

- AI for real-time mining analytics & equipment optimization
- Smart grid load management & energy distribution
- AI for predictive maintenance in power plants
- Optimization of solar energy output & forecasting

4 THE MARINE & COASTAL FRONT (57 KM COASTLINE)



STRENGTHS

- 57 km coastline
- Fisheries & marine economy
- Vulnerable to coastal erosion & natural hazards

AI IMPACT

- AI algorithms analyze satellite imagery for erosion tracking
- Flood risk mapping & early warning systems
- Rapid, automated public safety alerts for storms & monsoons
- AI training for officials in agriculture, revenue & disaster management

5 GOVERNANCE, SAFETY & CITIZEN SERVICES



STRENGTHS

- Proactive district administration
- Focus on digital governance
- AI capacity building for officials

AI IMPACT

- AI-enabled decision making for better governance
- Citizen service automation & chatbots
- Smart surveillance & public safety systems
- Data-driven planning for infrastructure & welfare

CUDDALORE AI IMPACT: OUTCOMES BY 2030

₹8,000+ Cr AI-driven economic contribution	25,000+ High-quality Tech & Skilled Jobs	500+ Industry AI Use Cases	1,000+ Farmers Benefited with AI Solutions	30%+ Increase in Industrial Productivity	20%+ Reduction in Energy Losses	57 km Coastline Monitored with AI	Smart & Safe Communities
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AI SKILLING & INNOVATION ECOSYSTEM

- AI training for youth, students, and government officials
- Industry-specific AI labs & innovation challenges
- Startups & MSMEs powered by AI solutions
- Collaboration with academia, research & global partners

OUR PARTNERS IN PROGRESS

Government of Tamil Nadu	Industries & SIPCOT Parks	Academic Institutions	Research Organizations	Startups & Innovators	Community Organizations	Global Tech Partners
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AI
AI is transforming Cuddalore into a smarter, safer, and more prosperous district.
Innovating Today. Impacting Tomorrow.

ENABLERS FOR SUCCESS

High Quality Data	Robust Digital Infrastructure	AI Talent & Skilling	Policy & Funding Support	Ethical AI & Governance
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CUDDALORE LEADS WITH AI.
BUILDING RESILIENT COMMUNITIES.
DRIVING SUSTAINABLE GROWTH.



TAMIL NADU 2035
Intelligence for Every Citizen.
Opportunity for Every Community.
Innovation for Tamil Nadu.

WHY CUDDALORE?

- Strategic coastal location & industrial base
- Strong agriculture & allied sectors
- Energy hub with Neyveli's legacy
- Skilled & hardworking rural population
- Focus on safety, sustainability & resilience
- AI-led governance for better public services

AI IMPACT ACROSS KEY SECTORS

Manufacturing & Industry AI for automation, quality control & predictive maintenance	Higher productivity & safer operations
Agriculture & Allied AI for crop advisory, yield prediction & supply chains	Higher yields & farmers' income
Energy & Utilities AI for grid optimization, demand forecasting & renewable integration	Reliable energy & lower operational costs
Environment & Climate AI for disaster prediction, coastal protection & resource management	Resilient communities & sustainable resources
Healthcare AI for diagnostics, telemedicine & health outreach	Better healthcare access & outcomes
Education & Skills AI for personalized learning & skill development	Future-ready youth & stronger employability
Public Services AI for e-governance, grievance redressal & smart services	Efficient services & happy citizens
Fisheries & Marine AI for fish stock monitoring, weather forecasting & safety	Sustainable fisheries & safer livelihoods
Transport & Logistics AI for traffic management, route optimization & logistics	Better connectivity & reduced costs
Tourism & Culture AI for promotion, analytics & visitor experience	More tourism & economic growth

VILUPPURAM 2035

RURAL STRENGTH. AI POWER. LIMITLESS FUTURE.

Viluppuram executes a dual-engine growth strategy leveraging massive agricultural lands, extensive highways, and an emerging rural talent pool.



- RICH AGRICULTURAL BASE
- STRATEGIC HIGHWAY NETWORK
- YOUNG & ASPIRATIONAL TALENT POOL
- PEACEFUL & INVESTOR FRIENDLY ENVIRONMENT

BY 2035, AI WILL DRIVE HIGH-IMPACT TRANSFORMATION

1 ALGORITHMIC AGRO-LOGISTICS PREDICTIVE AI GRIDS FOR SMARTER SUPPLY CHAINS

Predictive AI grids will link highway corridors to automate cold chains, optimize routes, and slash food transit waste.



IMPACT BY 2035

- 40%** Reduction in Food Waste
- 25%** Lower Logistics Costs
- 2X** Faster Time to Market
- 2X** Higher Exports & Farmer Prosperity

2 DECENTRALISED TECH HUBS EMPOWERING RURAL YOUTH WITH AI & TECHNOLOGY

Native-language generative AI platforms will empower local youth to build enterprise software directly from rural towns, creating jobs and stopping urban migration.



YOUTH. INNOVATION. OPPORTUNITY.

- Rural Tech Parks & Co-Working Spaces
- AI & Coding in Schools & Colleges
- Industry Partnerships & Live Projects
- Women in Tech & Entrepreneurship



STRATEGIC ADVANTAGES OF VILUPPURAM

- Extensive Agricultural Lands
- Major Highways & Connectivity (NNH, NH32, NH45B)
- Proximity to Ports, Cities & Industrial Corridors
- Skilled & Young Rural Workforce
- Peaceful, Green & Sustainable Environment
- Investor Friendly Policies & Strong Governance

“ Viluppuram will become Tamil Nadu’s Model District for AI-Powered Rural Prosperity. ”

— Empowering People, Enriching Lives —

THE VILUPPURAM VISION 2035

A District where AI meets Agriculture, Technology empowers Youth, and Infrastructure accelerates Growth.



LIVE. LEARN. EARN. IN VILUPPURAM.

AI-POWERED ECOSYSTEM



EXPECTED OUTCOMES BY 2035

- Thriving Agricultural Economy
- World-Class Agro-Logistics Hub
- Vibrant Rural Tech Ecosystem
- Thousands of Jobs & Startups
- Higher Incomes, Better Lives
- Sustainable & Inclusive Growth



VILUPPURAM 2035 — POWERED BY AI, DRIVEN BY PEOPLE, SHAPING THE FUTURE!

KALLAKURICHI AI IMPACT 2035

TRADITION. AGRICULTURE. INTELLIGENCE. SUSTAINABLE PROSPERITY.

Kallakurichi is transforming its strengths in agriculture, rice and sugar mills, and wood carving heritage into an AI-powered model of rural prosperity.



VISION 2035

AI-DRIVEN KALLAKURICHI: SMART AGRICULTURE. SMART INDUSTRY. STRONGER HERITAGE.



Paddy Fields

Sugar Mills

Wood Carving Heritage



TAMIL NADU 2035

Intelligence for Every Citizen. Opportunity for Every Community. Innovation for Tamil Nadu.

KALLAKURICHI AT A GLANCE

Location Northwestern Part of Tamil Nadu	Literacy Rate 75.12% (Census 2011)
Area 3,804 sq. km	Major Strengths Agriculture, Rice Mills, Sugar Mills, Wood Carving, Dairy, Handloom & MSMEs
Population (2024) ~15.88 Lakhs	GI Heritage Wood Carving (Traditional Art & Craft)

CENTER OF EXCELLENCE

KALLAKURICHI AI & RURAL INNOVATION CENTER

Empowering Farmers. Enriching Industries. Preserving Heritage. Building Futures.



AI for Agriculture
Precision farming, climate intelligence & resource optimization



AI for Agro-Processing
Smart automation, quality & productivity excellence



AI for Heritage & Crafts
Digital design, authenticity tracking & global market access



AI for Skills & Enterprise
Youth skilling, innovation labs & rural startup acceleration



AI for Sustainability
Water, energy & waste management for a greener future

AI IMPACT ACROSS KEY SECTORS



Agriculture
Higher yields, lower input costs, climate-resilient farming



Agro-Processing
Efficient mills, reduced waste, better profitability



MSMEs & Handicrafts
Design innovation, global reach, market expansion



Education & Skills
AI labs, digital learning, future-ready workforce



Environment & Resources
Water conservation, soil health, groundwater protection



Governance & Services
Data-driven planning, transparent services, citizen empowerment

ECONOMIC IMPACT BY 2035

<p>₹12,000+ Cr Additional Economic Value</p>	<p>50,000+ High-Value Jobs</p>	<p>2X Increase in Crop Productivity</p>
<p>30%+ Increase in Mill Efficiency</p>	<p>₹3,000 Cr+ Boost to MSME & Handicrafts</p>	<p>3X Export Growth in Agro & Crafts</p>

1 SMART FARMING REVOLUTION

From Traditional to Precision Agriculture



- AI Drones**
Crop monitoring, pest detection & yield estimation
- Soil Intelligence**
AI-based soil health mapping & fertilizer recommendations
- Weather Prediction**
Hyperlocal forecasts for better planting & harvesting
- Water Resource Tracking**
IoT & AI to monitor groundwater levels & optimize irrigation

Impact: Up to 100% increase in crop yield & farmer income

2 AUTOMATED AGRO-PROCESSING

Smart Mills. Higher Output. Lower Waste.



- AI Robotic Sorting**
High-accuracy sorting for rice, sugar & grains
- Predictive Maintenance**
AI predicts machine failures & reduces downtime
- Quality Assurance**
AI vision systems ensure consistent quality & reduce impurities
- Smart Energy Management**
Optimize energy use & reduce operational costs

Impact: 30-40% increase in efficiency & 25% waste reduction

3 PRESERVING HERITAGE, EMPOWERING ARTISANS

AI Meets Art. Heritage Meets Future.



- AI Design Studio**
Generate new wood carving patterns & motifs
- Authenticity Tracking**
AI helps verify originality & protect traditional art
- Digital Marketplace**
Connect artisans globally & expand market reach
- Skill Documentation**
Preserve traditional techniques for future generations

Impact: Wider reach for artisans & higher craft value

FLAGSHIP AI INITIATIVES



OUR PARTNERS



KALLAKURICHI 2035

Where AI & Agriculture Thrive. Where Heritage Inspires the Future. Where Every Citizen Prospers.



MADURAI AI IMPACT 2035

HEALING HUMANITY. POWERING INDUSTRY. ELEVATING HERITAGE.

OUR STRENGTH. OUR IDENTITY. OUR PRIDE.

Madurai combines world-renowned healthcare, Madurai Malli, textiles, automotive manufacturing, education, and cultural heritage. By 2035, Artificial Intelligence will transform the district into South India's Healthcare Innovation Capital, enabling precision medicine, smart manufacturing, intelligent supply chains, and global export growth while preserving Madurai's unique cultural and economic strengths.

(50 WORDS)

VISION 2035 AI-POWERED MADURAI: SMARTER HEALTHCARE, INTELLIGENT INDUSTRY, SUSTAINABLE GROWTH

JASMINE FLOWER TRADE
Madurai Malli – World's Finest

TEXTILE MANUFACTURING
Heritage Weaves. Global Reach

AUTOMOTIVE COMPONENTS
Precision. Performance. Progress

MEDICAL & HEALTHCARE SERVICES
Compassionate Care. Cutting-edge

TAMIL NADU 2035
Intelligence for Every Citizen.
Opportunity for Every Community.
Innovation for Tamil Nadu.

MADURAI AT A GLANCE

Location Southern Part of Tamil Nadu	Literacy Rate 85.84% (Census 2011)
Area 3,754 sq. km	Major Strengths Jasmine Flower Trade, Textile Manufacturing, Automotive Components, Medical & Healthcare Services
Population (2024) ~25.15 Lakhs	GI Tag Madurai Malli (Jasmine)

ECONOMIC IMPACT BY 2035

₹30,000+ Cr Additional Economic Value	100,000+ High-Value Jobs	3X Growth in Exports
India's Jasmine Export Capital	South India's Healthcare Innovation Hub	Advanced Manufacturing Powerhouse

ENABLERS

AI Talent & Skill Development	Digital Infrastructure	Innovation Ecosystem	Startup & Entrepreneurship	Public-Private Partnerships
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FLAGSHIP INITIATIVES

- ★ Madurai AI Healthcare City
- ★ Madurai Malli Global Export Excellence Program
- ★ AI for Advanced Manufacturing & Auto Components
- ★ Smart Textile & Design Innovation Hub
- ★ Madurai Innovation & Startup Accelerator

AI IMPACT BY 2035

<p>1 SMART HEALTHCARE FOR BETTER LIVES</p> <ul style="list-style-type: none"> AI-powered Disease Diagnosis: Early detection. Accurate treatment. Robotic-Assisted Surgeries: Greater precision. Faster recovery. Remote Healthcare & Telemedicine: Specialist care for every citizen. Hospital Command Centers: AI dashboards for real-time decisions. Predictive Health Analytics: Preventive care. Healthier communities. <p>Impact: Better Health. Longer Lives. Lower Costs.</p>	<p>2 PRECISION PERFUME TRADE GLOBAL LEADERSHIP</p> <ul style="list-style-type: none"> AI Sensors for Freshness Tracking: Real-time quality & aroma monitoring. Scent Quality Analytics: AI models ensure global grade standards. Demand Forecasting: Predict global trends & optimize supply. Smart Cold-Chain & Logistics: From farm to export with zero compromise. Brand Madurai Malli: Global recognition. Premium value. <p>Impact: Higher Exports. Better Prices. Global Leadership.</p>	<p>3 AUTONOMOUS MANUFACTURING AI-DRIVEN INDUSTRY</p> <ul style="list-style-type: none"> AI Robots for Assembly: Higher precision. Zero defects. AI-Driven Design & Simulation: Design complex parts. Faster innovation. Predictive Maintenance: Maximize uptime. Reduce downtime. Smart Quality Control: AI vision systems for 100% inspection. Digital Twin Factories: Simulate. Optimize. Scale smartly. <p>Impact: Higher Productivity. Global Competitiveness.</p>	<p>4 TEXTILE INNOVATION WEAVING THE FUTURE</p> <ul style="list-style-type: none"> AI-Assisted Design: Generate new weaves & patterns. Trend Forecasting: Stay ahead of global fashion. Automated Weaving & Inspection: Higher quality. Lower waste. Sustainable Production: AI optimizes energy & resources. Global Market Access: Expand reach. Increase exports. <p>Impact: Stronger Brands. Sustainable Growth.</p>
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OUR HERITAGE.
OUR STRENGTH.
OUR FUTURE.

OUR PARTNERS IN PROGRESS

Government of Tamil Nadu	Industries & Associations	Academic Institutions	Research Organizations	Hospitals & Health Networks	Startups & Innovators	Global Tech Partners
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MADURAI 2035

WHERE HERITAGE HEALS.
WHERE INTELLIGENCE CREATES.
WHERE INNOVATION SERVES HUMANITY.

SIVAGANGA 2035

**RICH IN MINERALS. ROOTED IN HERITAGE.
DRIVEN BY AI. CONNECTED TO THE WORLD.**

Sivaganga leverages its rich mineral deposits, vast heritage architecture, and deep artisan roots into a highly specialized cultural and industrial economy.

 RICH MINERAL DEPOSITS World-class Graphite Reserves	 VAST HERITAGE ARCHITECTURE Chettinad Mansions & Temples	 DEEP ARTISAN ROOTS Athangudi Tiles, Kandangi Sarees	 RESILIENT & SKILLED PEOPLE A Community Built to Excel
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OUR VISION 2035
 To be the Global Capital for High-Value Graphite and Luxury Heritage Craftsmanship through AI, Innovation and Sustainable Prosperity.

-  GLOBAL COMPETITIVENESS
-  SUSTAINABLE GROWTH
-  CULTURAL PRESERVATION
-  INCLUSIVE PROSPERITY

BY 2035, AI + GLOBAL BEST PRACTICES WILL TRANSFORM SIVAGANGA

1 AUSTRALIA-STYLE AUTONOMOUS DEEP MINING
 Safe. Smart. Sustainable.



SIVAGANGA GRAPHITE PLANT
 AI-POWERED. CREWLESS. PRECISE.

-  Autonomous drilling, blasting & extraction
-  AI-optimized ore detection & grade analysis
-  Remote operations from AI control centers
-  Zero harm to humans in hazardous zones
-  Ultra-pure graphite for global EV battery markets

POWERING THE GREEN ENERGY FUTURE


 GRAPHITE TO THE WORLD


 EV BATTERIES


 CLEAN ENERGY TOMORROW

2 SWITZERLAND-STYLE LUXURY HERITAGE PORTALS
 Experience Heritage. Anytime. Anywhere.




AI TOUR BRAIN
 ENGLISH
 普通话
 FRANÇAIS
 日本語
 DEUTSCH

VR HERITAGE WALK | AI ARCHITECTURE REBUILD | MULTI-LANGUAGE GUIDES

-  AI-powered immersive VR tours of Chettinad mansions and temples
-  Real-time translation & visual reconstruction of heritage stories
-  Swiss-grade premium tourism experience for global travelers
-  Smart visitor management & conservation through AI analytics
-  Global digital marketing & direct bookings for local communities


HERITAGE PRESERVED. CULTURE CELEBRATED. WORLD CONNECTED.






3 GLOBAL GENERATIVE ART NETWORKS
 Design Locally. Inspire Globally. Export Directly.




ATHANGUDI TILE MAKERS | KANDANGI SAREE WEAVERS

AI co-pilots generate endless custom patterns.



-  Generative AI design co-pilots for artisans
-  Custom patterns based on global interior and fashion trends
-  Direct digital platforms to sell worldwide
-  Zero middlemen. Maximum value for artisans
-  Preserving tradition. Scaling global.

AI designs global-trend saree layouts instantly.



ARTISAN POWER. GLOBAL REACH. LIMITLESS POSSIBILITIES.

IMPACT BY 2035

 50,000+ High-Skilled Jobs Created	 3X Increase in Mineral Export Value	 ₹15,000 Crore+ District GDP Boost	 100+ Countries Accessing Sivaganga Products	 5X Increase in Premium Tourism Revenue	 Zero Harm Through AI-Driven Mining	 10,000+ Artisans Empowered Globally
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PROUD ROOTS. GLOBAL HEIGHTS.



THE PEOPLE: A NEW GENERATION OF GLOBAL LEADERS
 From Traditional Roots to Global Futures



-  From laborers to tech directors – managing AI & robotics
-  Local youth leading global operations from Sivaganga
-  Entrepreneurship & startups in mining, tourism & crafts
-  Proud heritage. Progressive mindset. Prosperous future.

WE BUILD HERE. WE EARN HERE. WE GROW HERE.

SIVAGANGA CONNECTS THE WORLD



ROAD | RAIL | PORTS | AIR

SEAMLESS LOGISTICS. FASTER EXPORTS. GLOBAL MARKETS.

SUSTAINABLE. SMART. SECURE.



-  Green mining & environment protection
-  Renewable energy & smart infrastructure
-  AI for water, waste & resource management
-  Building a sustainable legacy for generations

NATURE. NURTURE. FUTURE.

SIVAGANGA 2035 – WHERE HERITAGE MEETS INNOVATION, AND PROSPERITY KNOWS NO BOUNDARIES. ♥

 HERITAGE OUR PRIDE	 INNOVATION OUR STRENGTH	 PEOPLE OUR POWER	 SUSTAINABILITY OUR COMMITMENT	 PROSPERITY OUR DESTINATION
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Let's Build Sivaganga's Golden Future!

VIRUDHUNAGAR MSME MODERNIZATION CENTER

DIGITAL MANUFACTURING. STRONG MSMEs. SMARTER FUTURES.

Empowering Micro, Small and Medium Enterprises with technology, skills and innovation to compete globally and create sustainable prosperity.

- MODERNIZE. DIGITALIZE. COMPETE.**
Adopt advanced technologies and digital tools to improve productivity, quality and market access.
- BUILD CAPABILITIES.**
Upskill workforce and entrepreneurs through hands-on training, mentorship and industry connect.
- GROW SUSTAINABLY.**
Innovate responsibly, optimize resources and expand to global markets.



TRANSFORMING MSMEs TODAY, POWERING TAMIL NADU TOMORROW.



TAMIL NADU 2035

Intelligence for Every Citizen.
Opportunity for Every Community.
Innovation for Tamil Nadu.

KEY FOCUS AREAS

- SMART MANUFACTURING**
Automation, robotics, CNC, and advanced production technologies.
- DIGITAL TRANSFORMATION**
IoT, data analytics, cloud solutions and digital workflows for MSMEs.
- PRODUCTIVITY & QUALITY**
Lean manufacturing, quality systems and process improvement.
- SKILL DEVELOPMENT**
Industry-aligned training, certifications and hands-on learning.
- MARKET ACCESS & EXPORTS**
Branding, packaging, e-commerce and global market linkages.
- SUSTAINABLE & GREEN MSMEs**
Resource efficiency, green technologies and circular economy practices.

COMPREHENSIVE SUPPORT ECOSYSTEM

- Technology Advisory
- Business Consulting
- Financial Access
- Incubation & Mentorship
- Industry Collaborations
- Government Linkages

Your Growth. Our Mission.

MSME
Strong Today
Stronger Tomorrow

IMPACT & BENEFITS

- Higher productivity and lower costs
- Improved product quality and innovation
- Access to new markets and customers
- Stronger competitiveness and exports
- More jobs, more income, stronger communities
- Building globally competitive enterprises

WORLD-CLASS FACILITIES

- Advanced Manufacturing Lab
- Digital Innovation Studio
- Common Facility Center
- Testing & Quality Lab
- Design & Prototyping Hub

WHY VIRUDHUNAGAR?

- Strong MSME base across diverse sectors
- Entrepreneurial spirit and skilled workforce
- Strategic location and connectivity
- Supportive ecosystem for growth



CONTRIBUTING TO TAMIL NADU'S VISION

- Atmanirbhar Bharat
- Make in India
- Vocal for Local
- Global Excellence
- Inclusive Growth

LET'S MODERNIZE MSMEs.
LET'S BUILD THE NEW ECONOMY.

TOGETHER, WE BUILD
A PROSPEROUS TAMIL NADU.



INNOVATE • DIGITALIZE • COLLABORATE • GROW • SUSTAIN • SUCCEED

VIRUDHUNAGAR MSME MODERNIZATION CENTER
POWERING ENTREPRENEURS. POWERING TAMIL NADU.

RAMANATHAPURAM FROM NATURE'S STRENGTH TO AI-POWERED PROSPERITY VISION 2035

By 2035, the combination of Ramanathapuram's natural geographical strengths and new AI initiatives will completely change the local land, the daily lives of its people, and their future goals.

OUR PROMISE 2035

- AI for Sustainability
- AI for Prosperity
- AI for People
- AI for Future

“Smart Land. Skilled People. Sustainable Future.”

1 THE TRANSFORMATION OF THE LAND

From Arid to Productive

AI-managed solar grids power seawater desalination plants.

Barren coasts become fertile green zones for smart farming and aquaculture.

A Clean Energy Landscape

AI-optimized wind and solar farms generate clean, affordable energy.

Ramanathapuram becomes a green energy engine for Tamil Nadu.

- Renewable Energy Hub
- Green Farming
- Smart Water Management
- Coastal Resilience

2 THE TRANSFORMATION OF THE PEOPLE

From Risky Fishing to Safe Tech Jobs

AI marine maps, weather drones and smart sensors guide fishermen to high-yield, safe fishing zones. More catch. Zero risk. Better income.

Traditional to Tech-Savvy Workers

Laborers in salt pans and farms become tech operators.

Mobile apps, automated gates and robotics reduce harsh physical labor and increase productivity.

- Smart Fisheries
- Drone Monitoring
- Digital Skills
- Safe & Dignified Livelihoods

3 THE ASPIRATION GOALS OF THE PEOPLE

Stopping the Brain Drain

Youth build global careers locally in marine biotech, drone aviation, renewable energy and AI services.

They return. They build. They lead.

New Dreams. Local Opportunities.

Startups in marine biotech & seaweed products

Solar & Wind energy entrepreneurship

AI-powered logistics & cold chain services

Skill hubs, research & innovation centers

- Local Jobs for Our Youth
- Innovation & Startups
- Sustainable Wealth
- Pride in Our Land



AI ENABLERS 2035

- AI & IoT Sensors
- Big Data & Analytics
- Cloud Computing
- Drone & Satellite Technology
- Robotics & Automation
- Digital Twin & Simulation
- Smart Connectivity (5G/6G)

IMPACT BY 2035

- Higher Incomes for Every Family
- Attract Investments & Global Partnerships
- Sustainable Use of Land & Marine Resources
- Resilient Communities & Future-Ready District

Ramanathapuram 2035 – Intelligent Today. Prosperous Tomorrow.

THENI 2035

NATURE'S WEALTH. AI'S POWER. PROSPERITY FOR EVERY FARMER.

Theni executes a "High-Value Agri-Corridor" strategy, leveraging its fertile valley, Western Ghats microclimate, and the Periyar river basin to drive agri-business excellence and global exports.



WHY THENI?

- Fertile Valley & Rich Soil
- Western Ghats Microclimate
- Periyar River Basin Advantage
- Ideal for High-Value Crops
Cardamom, Banana, Grapes, Mango, Vegetables
- Skilled & Hardworking Farming Community

BY 2035, AI WILL DRIVE EXPONENTIAL GROWTH IN THENI

1 PREDICTIVE SPICE BIO-NETWORKS

AI OPTIMIZES. QUALITY RISES. EXPORTS GROW.

AI monitors cardamom drying, moisture, aroma and quality to grade and prepare high-value spices for global markets.



- AI Climate Monitoring
- Moisture & Aroma Optimization
- Auto Grading & Sorting
- Premium Export Quality

FROM SMALL FARMS TO GLOBAL SPICE BRANDS

2 AUTONOMOUS COLD CHAINS

SMART LOGISTICS. LONGER SHELF-LIFE.

AI-driven sensors and automation manage banana and grape logistics, tripling shelf-life across mountain transit routes.



- Real-time Temperature Control
- Smart Ripeness & Quality Monitoring
- Optimal Route & Transit Management
- Triples Shelf-life Less Waste, More Profit

FRESHER PRODUCE. FARTHER MARKETS. HIGHER INCOMES.

3 EMPOWERING FARMERS TO BECOME GLOBAL EXPORTERS

AI TOOLS. DIGITAL MARKETS. DIRECT SUCCESS.

AI apps translate market prices, predict demand, and connect farmers directly with global buyers.



- Live Market Price Translation
- Global Buyer Connections
- Digital Contracts & Payments
- Higher Profits Zero Middlemen

FROM LOCAL FIELDS TO GLOBAL MARKETS - DIRECTLY!

AI IMPACT IN THENI - WITHOUT HEAVY INDUSTRIES

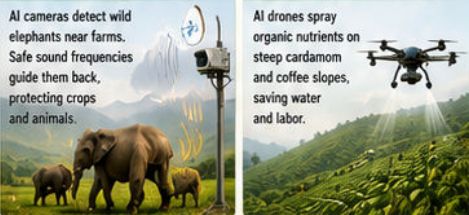
4 AUTONOMOUS FOREST & CROP PROTECTION

SMART WILDLIFE BARRIERS

AI cameras detect wild elephants near farms. Safe sound frequencies guide them back, protecting crops and animals.

DRONE-DRIVEN HILL FARMING

AI drones spray organic nutrients on steep cardamom and coffee slopes, saving water and labor.



- AI Cameras & Sensors
- Safe Sound Technology
- Organic Precision Spraying
- Water & Labor Efficiency

LIVING IN HARMONY WITH NATURE. FARMING WITH INTELLIGENCE.

5 PREDICTIVE FRUIT TRADING

FRESHNESS SENSORS

AI sensors predict exact shelf-life of bananas and grapes in packing sheds, ensuring perfect timing for global shipments.

DIRECT DIGITAL MARKETS

AI apps translate local prices instantly. Farmers sell directly to global buyers from their phones.



- Shelf-life Prediction
- Quality Assurance
- Global Market Access
- More Income for Farmers

RIGHT FRUIT. RIGHT TIME. RIGHT MARKET. MAXIMUM VALUE.

6 ECO-TOURISM AI GUIDES

SMART CROWD FLOW

AI tracks tourist numbers at Megamalai and Suruli Falls to prevent overcrowding and protect the mountain ecosystem.

AR NATURE TRANSLATORS

AI apps identify rare plants and birds in real-time in your native language.



- Visitor Analytics & Alerts
- Eco-Friendly Tourism
- AR Learning Experiences
- Local Youth Employment

PROTECT NATURE. ENRICH EXPERIENCES. SUSTAIN FUTURES.

PROSPERITY FOR ALL

- Higher Incomes
- Better Livelihoods
- Women Empowerment
- Youth Opportunities
- Stronger Communities



THENI 2035 VISION

To become India's #1 AI-Powered Agri-District - A Global Model for Sustainable Prosperity.



THE AI ADVANTAGE

- Higher Quality
- Lower Waste
- Efficient Logistics
- Global Reach
- More Jobs Better Lives



THENI 2035 - NATURE. AI. PROSPERITY. TOGETHER WE GROW. THE WORLD BENEFITS.

THOOTHUKUDI 2035

FROM PORT TO PROSPERITY.
FROM CARGO TO CRUISE.

**COPYING SINGAPORE'S PLAYBOOK.
CREATING INDIA'S NEXT GLOBAL TRADE & TOURISM HUB.**

By 2035, Thoothukudi will actively copy Singapore's playbook. Through the V.O. Chidambaranar Port Authority, the district is expanding infrastructure to match international standards.



THOOTHUKUDI TAMIL NADU

- Strategic Maritime Location
- V.O. Chidambaranar Port
- Industrial & Energy Hub
- Emerging Tourism Gateway
- Skilled & Young Workforce

THE VISION: THOOTHUKUDI 2035 – INDIA'S PREMIUM TOURIST TRADE HUB

1 SOVEREIGN CRUISE CORRIDORS CONNECTING INDIA TO THE WORLD

Major operators are launching routes connecting Chennai, Visakhapatnam, and Thoothukudi to Singapore.

- Automated customs clearance
- AI baggage tracking & facial recognition
- Smart passenger flow management
- Real-time security & crowd analytics
- Instant multilingual travel assistance

Handle thousands of global cruise passengers instantly.

AI TERMINAL AUTOMATION BY 2035

SINGAPORE-STYLE DIGITAL TWINS AI-DRIVEN HARBOR OPTIMIZATION

Just like Singapore uses advanced automation to optimize its harbor networks, Thoothukudi will run AI-driven digital models of the Dakshin Bharat Gateway Terminal.

DIGITAL TWIN OF DAKSHIN BHARAT GATEWAY TERMINAL

AI Traffic Simulation

Predictive Berthing & Dock Allocation

Energy & Resource Optimization

Real-time Operations Control

Maximize international luxury liner arrivals and skyrocket local hospitality trade.

SINGAPORE'S PLAYBOOK – OUR BLUEPRINT

WORLD-CLASS PORT INFRASTRUCTURE		AI & DIGITAL INTEGRATION		PREMIUM TOURISM EXPERIENCE		TRADE & ECONOMIC IMPACT	
SINGAPORE State-of-the-art terminals & automation	THOOTHUKUDI 2035 Modern terminals, smart infrastructure	SINGAPORE Advanced digital twins & AI operations	THOOTHUKUDI 2035 AI-powered digital twin & predictive systems	SINGAPORE Seamless cruise & tourist experience	THOOTHUKUDI 2035 World-class cruise & cultural tourism	SINGAPORE Global trade & economic powerhouse	THOOTHUKUDI 2035 Trade, tourism & jobs powering prosperity

KEY PILLARS OF TRANSFORMATION

- International Standard Infrastructure
Deep draft, modern terminals, smart logistics parks
- Cruise Tourism Revolution
Luxury liners, waterfront experiences, heritage & eco-tourism
- AI-Powered Port Operations
Digital twins, automation, predictive maintenance
- Sustainable & Green Port
Clean energy, waste management, blue economy initiatives
- Skilled Workforce & Local Empowerment
Training, entrepreneurship & job creation

THOOTHUKUDI 2035 – ECONOMIC IMPACT

3X
Increase in Port Capacity

10X
Growth in Cruise Tourist Arrivals

50,000+
Direct & Indirect Jobs Created

₹25,000 Cr+
Increase in Tourism & Trade Revenue

Global Gateway
Positioning Thoothukudi as a Global Maritime Hub

ENABLERS

- Policy Support & PPP Models
- Global Cruise Partnerships
- Investment in Digital & AI
- Skilling & Innovation Ecosystem
- Sustainable Urban Development

BEYOND PORTS – A THRIVING COASTAL ECONOMY

VISION 2035

Thoothukudi – Where Oceans Meet Opportunities.
Inspiring Growth. Enriching Lives.
Connecting India to the World.



SMART PORT. SMART CITY. SMART FUTURE.
THOOTHUKUDI 2035 – BUILDING INDIA'S SINGAPORE MOMENT.

TIRUNELVELI RENEWABLE ENERGY SYSTEMS CENTER

FOCUS: SOLAR, WIND, GRID INTELLIGENCE

Powering a Sustainable Future.
Empowering Every Community.



SOLAR INNOVATION
Advanced PV technologies, solar manufacturing, and next-generation systems.



WIND EXCELLENCE
Wind resource assessment, turbine technology, and performance optimization.



GRID INTELLIGENCE
AI-driven grid optimization, energy forecasting, and smart energy management.



TAMIL NADU 2035

Intelligence for Every Citizen.
Opportunity for Every Community.
Innovation for Tamil Nadu.



KEY FOCUS AREAS



Renewable Energy Research & Innovation



Solar PV Technology



Wind Energy Systems



Grid Intelligence & AI Analytics



Energy Storage Solutions



Green Hydrogen & Clean Fuels



Skill Development & Capacity Building

IMPACT FOR THE FUTURE



Clean, affordable and reliable energy for all



Sustainable economic growth and green jobs



Stronger energy security and climate resilience



Innovation-led solutions for a better tomorrow



WHY TIRUNELVELI?

- High solar radiation and strong wind potential
- Strong academic and research ecosystem
- Proximity to transmission infrastructure
- Skilled youth and industrial base
- Strategic location for green energy corridor



RESEARCH EXCELLENCE



SUSTAINABLE GROWTH



COMMUNITY EMPOWERMENT



GLOBAL LEADERSHIP

Harnessing Nature.
Building Intelligence.
Powering Tamil Nadu.



TENKASI 2035

AI-NATIVE SILICON VALLEY OF RURAL INDIA

Code. Cultivate. Conserve. Conquer the World.


From the banks of the Chittar to the clouds of global innovation – Tenkasi will lead India's rural renaissance with AI, Agriculture & Eco-Tourism.

TENKASI AT A GLANCE


- District in Tamil Nadu
- Gateway to Western Ghats
- Rich in Rivers & Waterfalls
- Fertile Red Soil
- Strong Cultural Heritage

TENKASI'S GREATEST ECONOMIC STRENGTHS

RURAL IT POWERHOUSE – ZOHO



A global SaaS leader built from Tenkasi. Creating jobs, opportunities and putting rural India on the world map.



AGRICULTURE EXCELLENCE

Rice, Mango, Amla, Spices & more – Tenkasi feeds millions with high-quality produce.



ECO-TOURISM DESTINATION

Courtallam – The "Spa of South India" attracts lakhs of tourists every year.



HOW AI WILL IMPACT THE TOWNSHIP BY 2035

1 HYPER-PRODUCTIVE RURAL CODING



- AI behaves like a digital powerloom for code.
- Local high-school graduates trained at Zoho Schools of Learning will use agentic AI tools to build complex global software 100 times faster.
- No need to migrate to big cities. World-class careers from Tenkasi.



Learn Locally. Lead Globally.

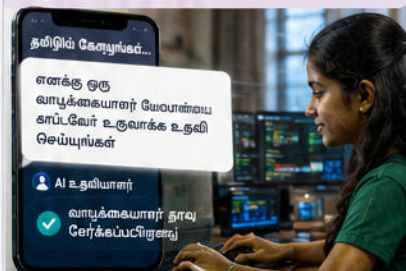
2 LOW-ENERGY SOVEREIGN AI INFRASTRUCTURE



- Eco-friendly, nature-integrated data centers.
- Uses district's rich river networks for natural cooling.
- Low energy, high efficiency & minimal carbon footprint.
- Tenkasi becomes a model for green AI infrastructure for the world.



3 LOCAL LANGUAGE AI ENGINES




தமிழில் செயல்படும்...

எனக்கு ஒரு வாழ்க்கையாளர் வேண்டிய கார்ட்டை உருவாக்க உதவி செய்யுங்கள்

- AI உதவியாளர்
- வாழ்க்கையாளர் தரவு சேர்க்கப்பட்டுள்ளது

- AI translation models empower rural students.
- Build world-class enterprise applications using natural Tamil commands.
- Completely closes the language gap in tech.
- Strengthens inclusion and innovation.



WHAT OTHER STRENGTHS DO THEY HAVE?

<h4>THE FRUIT BASKET & SPICE TRADE</h4>  <p>Fertile red soil at the foothills of Western Ghats makes Tenkasi a major hub for mango, amla (gooseberries), cardamom and other hill spices.</p>	<h4>ECO-TOURISM & THE WATERFALLS</h4>  <p>"Spa of South India" – Courtallam waterfalls bring wellness, tourism and livelihood to thousands.</p>	<h4>HANDLOOM HERITAGE</h4>  <p>Rich legacy of handloom weaving – tradition that empowers rural artisans and preserves culture.</p>	<h4>RICE CULTIVATION</h4>  <p>Highly productive paddy farming across the Chittar river basin ensures food security and rural prosperity.</p>
Wellness Nature Trails Adventure Homestays	Handloom Heritage Livelihood Global Reach	High Yield Water Rich Sustainable Farmer First	

TENKASI 2035 – VISION & IMPACT

<p>GLOBAL AI INNOVATION HUB From rural roots to worldwide impact.</p>	<p>1 LAKH+ HIGH-SKILL JOBS Creating opportunities for rural youth.</p>	<p>GREEN & SUSTAINABLE FUTURE Nature-first growth with clean energy.</p>	<p>ECONOMIC MULTIPLIER IT, Agriculture, Tourism & Handloom together.</p>	<p>PROUD. PROGRESSIVE. PROSPEROUS. A model township for the world.</p>
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TENKASI 2035

Where Code Meets Culture, Nature Powers Progress.
BUILDING INDIA'S RURAL FUTURE WITH AI



KANNIYAKUMARI OCEAN TECHNOLOGY CENTER

INNOVATE THE OCEAN. POWER THE FUTURE.

Advancing Marine Research and Renewable Energy for a Sustainable and Prosperous Tamil Nadu.



OCEAN INNOVATION
Solving tomorrow's challenges today



RENEWABLE ENERGY
Clean energy from our coasts



MARINE RESEARCH
Explore. Discover. Protect.



COMMUNITY PROSPERITY
Opportunities for everyone

— KEY CAPABILITIES —



Advanced Marine Research Labs



Ocean Data & AI Analytics



Renewable Energy Testbeds



Autonomous Marine Systems



Ocean Modelling & Digital Twins



Materials & Corrosion Labs



Innovation & Startup Hub



Training & Skill Development

MARINE RESEARCH EXCELLENCE

World-class facilities for ocean observation, exploration, and environmental monitoring.

RENEWABLE ENERGY LEADERSHIP

Harnessing wind, waves, and ocean energy to power a clean and green future.

INNOVATION & INDUSTRY PARTNERSHIP

Collaborating with academia, industry, and global partners to drive ocean technology solutions.

EMPOWERING COMMUNITIES

Creating jobs, enhancing livelihoods, and building a sustainable coastal economy.

IMPACT FOR TAMIL NADU



Clean energy and energy security



Climate resilience and protection



High-value jobs and economic growth



Global leadership in ocean technology



Sustainable blue economy

OUR VISION

To make KANNIYAKUMARI a global hub for ocean technology and renewable energy, driving innovation, sustainability, and inclusive growth for Tamil Nadu and the world.

THE OCEAN. OUR FUTURE.

Innovate. Sustain. Empower.

TOGETHER, WE BUILD A BETTER TOMORROW.



KANNIYAKUMARI OCEAN TECHNOLOGY CENTER
POWERING SUSTAINABLE TOMORROW



INNOVATE
Creating new solutions for ocean challenges



COLLABORATE
Partnering for shared success



SUSTAIN
Partnering our ocean for future generations



EMPOWER
Enabling communities and entrepreneurs



EXCEL
Striving for excellence in everything we do



TAMIL NADU 2035

Intelligence for Every Citizen.
Opportunity for Every Community.
Innovation for Tamil Nadu.

FOCUS AREAS



MARINE RESEARCH
Ocean exploration, coastal ecosystems, climate study, and marine biodiversity.



RENEWABLE ENERGY
Offshore wind, wave energy, ocean thermal energy, and floating solar.



OCEAN ENGINEERING
Design and development of marine systems, sensors, and autonomous technologies.



BLUE ECONOMY
Sustainable fisheries, marine biotechnology, seaweed cultivation, and aquaculture.



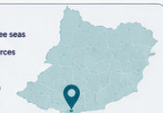
COASTAL RESILIENCE
Early warning systems, coastal protection, and disaster risk reduction.



SKILLS & INNOVATION
Building ocean technology talent and supporting startups and entrepreneurship.

WHY KANNIYAKUMARI?

- Strategic location at the confluence of three seas
- High wind potential and rich marine resources
- Proximity to international shipping lanes
- Strong academic and research ecosystem
- Commitment to sustainable development



PUDUKKOTTAI

Heritage of **Strength**. Future of **Intelligence**.

AI POWERING EXPONENTIAL GROWTH BY 2035

By 2035, Artificial Intelligence will transform Pudukkottai's key industries, unlock the power of its terrains and drive sustainable, exponential economic growth.

VISION 2035

- AI for Prosperity
- AI for Sustainability
- AI for People
- AI for Future

AI WILL DRIVE TRANSFORMATION ACROSS KEY SECTORS

1 SMART COIR MILLS

AI-Driven Robotics for Fiber & Weaving



- ✓ AI robotics automate fiber extraction and sorting
- ✓ Vision systems ensure consistent quality
- ✓ Smart looms optimize weaving patterns
- ✓ Higher productivity, lower waste, global quality

2 AUTONOMOUS QUARRYING

ML Sensors for Safe & Efficient Blasting



- ✓ Machine-learning sensors monitor rock density and fractures
- ✓ AI optimizes blasting for maximum yield & safety
- ✓ Real-time monitoring reduces risk and downtime
- ✓ Efficient resource use, lower environmental impact

3 PRECISION FARMING

AI Drones for Soil & Crop Intelligence




- ✓ AI drones map soil health, moisture & nutrients
- ✓ Data-driven insights for precision irrigation & fertilization
- ✓ Groundnut yields up to 3X
- ✓ Higher income for farmers, sustainable farming

USING OUR UNIQUE TERRAINS FOR NEW ECONOMIC GROWTH

PUDUKKOTTAI


Barren Plains & Coast

Clean Energy & Blue Economy Hub



MEGA SOLAR & WIND FARMS

Vast, flat, underused lands are perfect for renewable energy generation.



ADVANCED SEAWEED FARMING

Coastline can shift into advanced seaweed farming for bio-plastics, nutraceuticals & exports.


Key AI Enablement

- ✓ AI manages smart grids for optimal energy distribution
- ✓ Predictive maintenance for solar & wind assets
- ✓ AI monitors seaweed growth, quality & harvesting
- ✓ Turns Pudukkottai into a **CLEAN ENERGY EXPORTER & BLUE ECONOMY LEADER**

PERAMBALUR


Fossil Beds & Red Soil

Geo-Tourism & Biofuel Hub



GEO-TOURISM & RESEARCH HUBS

Famous for ancient marine fossils. Use AR/VR tech to build world-class geo-tourism & research centers.



BIOFUEL CROPS

Dry lands ideal for hardy biofuel crops like Jatropha for sustainable energy.

Key AI Enablement

- ✓ AI & AR/VR create immersive learning & tourism experiences
- ✓ AI optimizes crop selection, yield & biofuel extraction
- ✓ Predictive analytics for soil health & water management
- ✓ Builds knowledge economy & green energy value chain

NAMAKKAL

Rocky Hills & Central Location

Green Data & Logistics Hub



UNDERGROUND GREEN DATA CENTERS

Kolli Hills' solid rock terrain is perfect for underground data centers with natural cooling.



CENTRAL DRONE-DELIVERY HUB

Central location makes it the ideal hub for drone-delivery across Tamil Nadu.

Key AI Enablement

- ✓ AI manages cooling, energy & security in data centers
- ✓ AI optimizes drone routes, air traffic & deliveries
- ✓ Real-time analytics for logistics & supply chain
- ✓ Positions Namakkal as the **DIGITAL & LOGISTICS COMMAND CENTER** of Tamil Nadu

DISTRICT-WIDE IMPACT BY 2035

- 2X - 5X** Increase in Key Sector Productivity
- 50,000+** High-Value Jobs
- ₹25,000+ Cr** Additional Economic Value
- Lower Carbon Footprint & Greener Environment**
- Global Competitiveness** in Exports & Innovation

“ Intelligence in Every Field. Sustainability in Every Step. Prosperity for Every Citizen. ”



TIRUVANNAMALAI 2035

SACRED ROOTS. SMART FUTURE. GLOBAL IMPACT.

Tiruvannamalai executes a "Sacred-Agri Hub" strategy, leveraging its massive spiritual tourism magnet, deep aquifer basin, and a highly resilient, community-driven workforce.

- Massive Spiritual Tourism Magnet
- Deep Aquifer & Water Security
- Fertile Agricultural Belt
- Resilient, Community-Driven People
- Rich Cultural & Heritage Legacy



OUR VISION 2035

A world-class spiritual, agri-innovation and digital hub where tradition and technology create prosperity for all.

- SPIRITUAL HARMONY
- AGRI PROSPERITY
- TECH EMPOWERMENT
- GLOBAL CONNECTION

BY 2035, AI WILL TRANSFORM TIRUVANNAMALAI INTO A GLOBAL MODEL DISTRICT

1 VATICAN-STYLE PREDICTIVE CROWD MANAGEMENT

SAFE PILGRIMAGE. DIVINE EXPERIENCE.

AI-driven crowd analytics ensures smooth, secure and spiritual experiences for millions of pilgrims.

- AI Video Analytics & Footfall Mapping
- Predictive Bottleneck Alerts (Hours Ahead)
- Auto-Adjust Pedestrian Lanes & Entry Gates
- Multi-Language AR Spiritual Guides
- Emergency Response & Medical Deployment
- Heritage Protection & Smart Surveillance

ENHANCING DEVOTION. ENSURING SAFETY. PRESERVING HERITAGE.

2 ISRAEL-STYLE AGRITECH & AUTOMATED MILLING

EVERY DROP COUNTS. EVERY GRAIN COUNTS.

Smart water, smart farming and intelligent milling create global-quality rice and food security.

- Subsurface AI Sensors for Precise Irrigation
- Drop-by-Drop Smart Water Delivery
- Climate & Crop Health AI Monitoring
- Computer Vision Grain Sorting
- Robotic Milling & Quality Control
- Vacuum Packing & Global Export Ready

SMART FARMS. SMART MILLS. GLOBAL FOOD LEADERS.

3 USA-STYLE EDGE COMPUTING HUBS

BUILD GLOBAL TECH FROM A SACRED LAND.

Low-noise, serene environment attracts eco-friendly data centres and remote tech talent.

- Decentralised AI Data Centres
- 100% Renewable Energy Powered
- Secure & Sustainable Digital Infrastructure
- Native-Language Generative AI Tools
- Global Software Development
- Remote Work. Global Opportunities

QUIET LANDSCAPE. POWERFUL COMPUTE. LIMITLESS IMPACT.

TALENT AND SOCIETAL EVOLUTION

THE SPIRITUAL TECH-WEAVER

TRADITION + AI = GLOBAL ARTISTRY

AI design co-pilots empower weavers to create, customize and export luxury spiritual apparel.

- Generative AI Design Assistant
- Instant Pattern Generation
- Custom Orders at Global Scale
- Direct Export to Global Buyers

EMPOWERING ARTISANS. PRESERVING TRADITION. BUILDING GLOBAL BRANDS.

RETAINING LOCAL GENIUS

BUILDING CAREERS. BUILDING COMMUNITY. BUILDING THE FUTURE.

Local graduates create global solutions in crowd safety, agritech and digital trade without leaving their hometown.

- Advanced Crowd-Safety Algorithms
- AgriTech & Farm Intelligence Software
- Global Digital Trade Networks
- High-Paying Careers at Home

OPPORTUNITY AT HOME. PROSPERITY FOR ALL.

IMPACT BY 2035

- 50M+ PILGRIMS MANAGED SAFELY EVERY YEAR
- 40% WATER SAVINGS IN AGRICULTURE
- 3X HIGHER FARMER INCOMES
- GLOBAL QUALITY RICE & SPICE EXPORTS
- THOUSANDS OF REMOTE TECH JOBS CREATED
- HERITAGE PRESERVED. CULTURE CELEBRATED.
- A PROSPEROUS, SUSTAINABLE & SPIRITUALLY UNITED TIRUVANNAMALAI

TIRUVANNAMALAI 2035 – SACRED TODAY. SMART TOMORROW. GLOBAL FOREVER.

- SPIRITUAL WISDOM
- TECHNOLOGICAL EXCELLENCE
- SUSTAINABLE FUTURE
- PEOPLE FIRST