Notice of the Xiamen City Data Administration on the Announcement of the List of Artificial Intelligence Application Scenario Opportunities

To all relevant work units (单位) and enterprises:

In order to thoroughly implement the national strategy of promoting the deep

fusion of artificial intelligence (AI) and the real economy, actively explore and cultivate AI application scenarios, and promote the flourishing development of the AI industry ecosystem, a total of 110 AI application scenario opportunities from 16 city departments and 18 district-level departments have been selected following extensive solicitation, careful review, and rigorous screening, and are hereby officially released.

The list released here focuses on the field of government affairs + AI and provides detailed information on each scenario, including the requesting units, core requirements, expected goals, and contact information, providing AI enterprises, research institutions, investment institutions, and other relevant parties with clear business development directions and opportunities for cooperation.

Through this list, the aim is to build a bridge linking supply and demand, promote the precise matching of AI technology with actual business scenarios, accelerate the conversion of innovation achievements into practical applications, and cultivate new economic growth points. We sincerely invite all work units and enterprises to actively participate in the construction and application of AI scenarios in the government sector, leverage their unique strengths, and work together to create a new landscape for AI industry development.

Xiamen City Data Administration

March 18, 2025

I. List of AI Application Scenario Opportunities

1) Departments directly under the city government

(i) A total of 16 work units directly under the city government proposed 58 application scenario opportunities

No.	Work Unit	Division(s) or Office(s) with Requirements	Application Scenario	Core Requirements	Expected Results	Contact Person and Telephone Number
1	City Development and Reform Commission	Social Credit Promotion Division	AI + smart credit services	Build a dynamic [social] credit database through intelligentized (智能化) integrated credit data from multiple sources such as government, enterprises, and financial institutions	Achieve accurate collection, analysis, and real-time updating of credit information, and provide intelligentized credit management for governments, enterprises, and individuals	Yin Yongyao 18705920218
2			AI + credit monitoring and early warning	Identify credit risks by analyzing data such as administrative penalties, contract performance, and judicial litigation, and provide credit risk early warnings	Increase the accuracy of credit assessments, reduce credit default risk, and achieve intelligent credit risk early warnings	
3			AI + credit empowerment (信用赋能)	Apply AI credit evaluation in areas such as lending, transportation, and health insurance to achieve credit empowerment.	Promote precise credit granting in finance, optimize public services, and increase the convenience of credit use by city residents.	
4			AI + graded and categorized credit market supervision	Leverage real-time data to update credit labeling of entities, match with differentiated management (差异化管理) measures, and reduce supervision costs. At the same time, monitor the credit data circumstances of market entities in real time, and use AI to discover violations and potential risks.	Build an intelligent credit supervision platform to achieve precise supervision and risk prevention and control of market entities.	
5			AI + credit repair guidance	Based on credit laws and regulations and case studies, use AI to tailor repair reminders and repair indicators for entities with poor credit.	Help entities with poor credit efficiently complete credit repair, rebuild good credit images, enhance market trust, and promote the healthy credit market development.	
6			AI + city credit status insight	Monitor the status of various city credit monitoring indicators in real time to achieve credit status monitoring of the city, districts, and advanced cities, and use AI and big data to automatically generate city, regional, and industry credit status insight reports and trend reports	Improve the city's overall credit status, and do a quantitative evaluation of the effectiveness of policies at the same time.	
7			AI + credit decision knowledge base	Build a dedicated credit "knowledge base" integrating credit policies and regulations, credit assessment standards, and regulatory mechanisms, so as to	Provide real-time updated information on credit regulations and policies to help decision-makers quickly	

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				analyze trends in the credit field and assess the core direction of industry development.	obtain relevant legal and policy support	
8			AI + credit knowledge graph	Based on credit data, establish a comprehensive credit knowledge graph to support intelligent querying and analysis.	Provide comprehensive credit information and monitoring data to support efficient decision-making and boost credit risk prediction and management capabilities.	
9		City Grain and Oil Quality Monitoring and Military Grain Supply Center	Processing and handling prior to testing	Sample pre-processing, handling of corrosive liquids	Increase testing efficiency and assure the safety of laboratory personnel.	Yang Yang 15060738896
10	City Bureau of Education	Reception Center	Intelligent form filling	Intelligently identify the forms required for various services, link to the education database, and automatically extract information, while also providing intelligent guidance by proactively recommending relevant education services.	Raise data collection efficiency; reduce burdens and increase efficiency for teachers, students and parents.	Li Chenling 19959288891
11	City Bureau of Industry and Information Technology	All divisions and offices	Intelligent review of policy implementation	Introduce AI review into the preliminary review stage of policy implementation. Relying on data from city platforms such as the City Bureau of Finance's industrial support fund system and the City Development and Reform Commission's Credit Xiamen platform, utilize AI large models to automatically conduct project duplication checks, credit inquiries, and other routine tasks.	Utilize AI to achieve rapid verification of mandatory criteria and data querying and filtering during policy implementation, thereby increasing work efficiency.	Chen Kunming 13799273196
12			Economic operations large model	Deploy a localized economic data knowledge base that is unified across the city, and combine it with AI large models to conduct economic data queries, analysis, and early warning.	Achieve real-time data sharing and build an "Industry and Information Technology Smart Brain" (工信智脑) to boost decision-making support and analysis capabilities.	
13	City Public Security Bureau	Command and Intelligence Center	AI-assisted emergency call response	Improve the quality and efficiency of emergency call response through voice transcription, element extraction, incident location identification, intelligent form filling assistance, real-time Chinese-English voice translation, and call quality inspection.	Leveraging AI-related technologies such as natural language processing and intelligent speech recognition from large models like DeepSeek, combined with real-world public security data and business rules, provide the call reception and handling system with smart services including voice transcription, element extraction, incident location	Song Wen 13859916709

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					identification, intelligent form filling assistance, real-time Chinese-English voice translation, and call quality inspection. This will promote the automatic comparison and identification of emergency call information and the association of related data, thereby improving the level of automation of emergency response command and handling.	
14		Haicang Branch	Intelligent household registration policy consultation services	Real-time online digital avatars combined with large-scale models provide residence permit (户籍) policy-related question answering and interactive services. Challenges faced by the public in accessing, understanding, and applying household registration policies are resolved by means of AI and virtual reality (VR) technology. The convenience of policy services is enhanced through real-time online digital avatars combined with large-scale models for question answering services.	Improve public satisfaction and provide 24-hour uninterrupted service.	Luo Yang 13459038407
15		Siming Branch	Intelligent emergency call reception and dispatching	Efficient emergency call response, precise dispatching, and real-time command and monitoring.	Improve call reception efficiency and accuracy, optimize police resource allocation, and increase the quality and public satisfaction level of emergency call response and handling services.	Chen Zhang 18250756712
16			Smart coastal defense management	Perception and monitoring for comprehensive perception coverage, intelligent target identification, intelligent command dispatching, and rapid interception and handling	Improve control efficiency and accuracy, optimize resource allocation and collaborative operations, and strengthen basic information management and services.	
17		Police Assurance Department (警保部)	Emergency response assurance	Based on emergency response requirements and emergency material reserve conditions, respond quickly and assist in emergency material supply plans.	Coordinate material allocation and improve emergency response capabilities based on requirements for emergency response materials.	Wu Junyu 18695627090
18			Data analysis	Processing of vast quantities of equipment and vehicle data	Optimize resource allocation and assist in the formulation, updating, or scrapping of plans.	

No.	Work Unit	Division(s) or Office(s) with Requirements	Application Scenario	Core Requirements	Expected Results	Contact Person and Telephone Number
19		Entry and Exit Management Detachment	Intelligent customer service with real-time multilingual communication and translation	Provide multilingual services, especially for less commonly encountered languages (such as Korean, French, Arabic, etc.), and culturally adapted communication methods, and reduce communication costs.	Increase satisfaction level: Improve service experience through multilingual support and intelligent real-time feedback mechanisms (e.g., progress inquiries, intelligent reminders).	Lin Ling 13515965650
20			Smart government affairs service agent	Build a knowledge graph repository, enrich the government service terminology database, and create a chat-based service model	Increase public satisfaction, provide 24-hour uninterrupted service, and expand online and offline application scenarios through various vehicles.	Lin Wenqiang 15980546165
21	Civil Affairs Bureau	Elder Care Division	Health and vital sign analysis	Based on vital sign and behavioral data from relevant Internet of Things (IoT) devices installed in elderly people's homes, such as vital sign analyzers and fall detection devices (e.g., breathing, heart rate, sleep quality), produce disease risk prediction, health condition analysis, and other data through large model training and analysis.	Analyze the physical health of elderly people, and give them precision geriatric disease prevention, treatment, and rehabilitation guidance.	Wang Zhenlin 0592-2892049
22			Intelligent rehabilitation training guidance	For elderly individuals who have chronic diseases or require rehabilitation training, the AI system can develop personalized rehabilitation training plans based on their medical condition and physical status. By collecting movement data from elderly individuals through smart wearable devices and sensors, the AI system monitors training effectiveness in real time and adjusts training plans based on feedback.	Increase the effectiveness and efficiency of rehabilitation training, help elderly individuals recover physical functions faster, and enhance their quality of life.	
23			Virtual companions	Use VR and augmented reality (AR) technology to create realistic virtual companions for the elderly. These avatars can be customized according to the preferences and needs of the elderly, with personalized appearances, personalities, and behavioral characteristics. The elderly can communicate and interact face-to-face with the avatars and participate in various entertainment activities together.	Provide chatting voice robots for the elderly according to their needs, keep elderly individuals company through various means of expression, and provide them livelihood-related information, chat, emotional support, fraud prevention information, and enjoyment of preferential policies.	

No.	Work Unit	Division(s) or Office(s) with Requirements	Application Scenario	Core Requirements	Expected Results	Contact Person and Telephone Number
24			Cognitive impairment support	Use AI technology to help elderly individuals record important information (e.g., contact information of friends and relatives, schedule arrangements), and provide family-friendly applications to help them exercise their memory, attention, and logical thinking abilities.	Provide support for elderly individuals with cognitive impairments, and give the elderly personalized information recall, reminders, and other capabilities.	
25			AI tour guide	Using AI and VR technology, provide intelligent explanation of the conditions in various nursing homes, enabling nursing home promotion and display, as well as intelligent customer service, so as to better serve the elderly and their families.	AI will automatically explain the functions, services, and features of each area of a nursing home, and will support switching between multiple languages.	
26		Offices	AI intelligent customer service	A specialized AI large model trained on various civil affairs policies, regulations, preferential measures, procedures, and government services, will provide unified AI large model services for all smart civil affairs business, such as elder care, financial assistance, and funeral services.	For civil affairs services, increase user satisfaction levels and speed of understanding, and provide 24-hour uninterrupted service.	Wu Huiwang 0592-2892051
27			Funds supervision	Carry out AI large model-based analysis and logical reasoning on data related to various fees, payments, and financial subsidies in civil affairs management to discover unreasonable fund usage and provide early warning information.	Achieve comprehensive and efficient supervision of all kinds of civil affairs funds to prevent errors and omissions.	
28			Service supervision	Carry out analysis and reasoning on various kinds of information, such as behavior and call records, of personnel, service institutions, and call center staff involved in civil affairs services such as elder care, financial assistance, and funeral services, so as to evaluate the quality and effectiveness of those services.	For civil affairs services such as elder care, financial assistance, and funeral services, achieve intelligent supervision of the entire service process, and the evaluation and improvement of service efficiency.	
29	City Finance Bureau	Financial Information Center	Smart finance intelligent customer service	By subsequently enriching the smart finance business knowledge base, and exploring linking with large models, it will quickly respond to and learn answers to frequently asked questions, and effectively improve question answering accuracy.	Improve question answering accuracy, enhance customer satisfaction, and provide 24-hour uninterrupted service	Tong Changxu 0592-2858310

No.	Work Unit	Division(s) or Office(s) with Requirements	Application Scenario	Core Requirements	Expected Results	Contact Person and Telephone Number
30			Government services	Based on corporate archives and personnel records, and starting by describing policy conditions, use the semantic recognition and reasoning capabilities of large models to intelligently calculate relevant data indicators and use precision computation to form a list of enterprises affected by various policies (政策找企业名单). Based on policy documents, policy application guidelines, and other textual materials, use the document interpretation and knowledge reasoning capabilities of large language models to quickly break down policy conditions and clauses, and automatically recommend application forms and review process templates, thereby achieving intelligent policy breakdown and rapid issuance.	Accurate matching of policies [to eligible parties] and intelligent breakdown of policies	Wu Dong 0592-5398236
31	City Human Resources and Social Security Bureau	Xiamen Technical College	Smart campus intelligent assistant	Intelligent question-answering assistant, counseling on admissions, orientation, employment, academic and student affairs, and logistics; one network for everything (一网通办) and getting it done in one sentence (一句话办事); course and grade querying, Chat-BI intelligent summarization, and data inference; academic data analysis, teaching effectiveness analysis, and campus activity participation analysis; lesson plan generation and homework correction; textbook key point generation, question answering; exam paper generation, personalized makeup exams	Through service-based question answering, business processing, data analysis, and customized training of large models, make use of lightweight 3D rendering and driving, voice interaction, multi-round dialogue of large language models, function calls, and other technologies, load the campus knowledge base, link to one network for everything services, orientation, student affairs, academic affairs, employment, and other business scenarios, and accelerate the transformation of education digitalization by integrating NLP, agents, TTS, SR, and other technical capabilities into the entire process and all aspects of education management.	Ma Zanwei 13959213230
32	City Ecological Environment Bureau	General Affairs Division (综合处)	Ecological environment expert database (专家库) management	Utilize large models to accurately profile experts, achieve precise matching between business requirements and subject matter experts, two-way intelligent recommendations, recommendations on experts to participate in decision-making and	The expert database will be precise and efficient, centralized and unified, dynamically managed, standardized, secure, reliable, open, and shared, and the decision-making support role of the expert database will be	Liu Yin 0592-5182618

No.	Work Unit	Division(s) or Office(s) with Requirements	Application Scenario	Core Requirements	Expected Results	Contact Person and Telephone Number
				consultation work, and full-process management.	fully exploited, enhancing the willingness of experts to fulfill their duties.	
33	City Housing and Construction Bureau	Transaction and Leasing Division	Smart housing search	Achieve AR housing search for real scenarios, policy interpretation, and intelligent dispute mediation	Assist tenants and transaction parties in quickly finding listings and mediating disputes online	Zheng Qingyun 18060488024
34	City Transport-ation Bureau	Bureau Approval Service Window, City Traffic Monitoring Command Center	Intelligent customer service	Jointly with the City Data Administration, push implementation of the "chat-and-process" (边聊边办) smart application for the issuance of rideshare vehicle (网约车) operation permits.	Fully leveraging the "Fuxiaobao" (福晓宝) digital assistant within the Minzhengtong (闽政通) smart customer service app, iXiamen, and other service portals, and selecting the domestically developed DeepSeek AI large language model as the technical support, the system will deeply embed key service aspects such as consultation, situational guidance, and form filling into the public user chat interface by means of in-depth technology integration. Members of the public only need to naturally express their requirements in their conversations with the intelligent system, and the system will then guide them through the relevant procedures based on the conversation content, creating an innovative "chat-and-process" service model that will solve problems such as people being unable to find the right entry point for handling their affairs and being unclear on the handling procedures, thereby improving the efficiency of government services that are convenient, beneficial, and helpful.	Chen Yubin, Hong Yiyong 7703908, 15606904625
35		Xiamen City Highway Development Center	Maintenance and roving inspections	Accurately identify road surface cracks, pothole problems, and roadside facility defects	Raise road maintenance and inspection efficiency, promptly identify existing road surface and facility problems, and automatically send out notifications for rectification.	Xiao Jie 15705957929
36			Slope monitoring	Dynamically monitor and analyze slope displacement and strain to promptly identify slope risks	Through intelligent monitoring of slopes, achieve early warning and emergency response decision-making	

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					guidance, thereby enhancing road safety levels.	
37			Public transportation smart travel	Accurately identify residents' travel requirements, collect and process vast amounts of origin-destination (OD) data	Provide integrated transportation solutions for city residents, and increase the proportion of public transportation in city travel as a whole.	
38		Xiamen Rail Transit Group Co., Ltd.	Metro intelligent customer service	Multilingual understanding and replying (Mandarin and Southern Min dialects), rapid response, and learning; answering of common questions, etc.	Enhance passenger service satisfaction on the Xiamen Metro, and provide 24-hour uninterrupted service; compile a categorized list of passenger inquiries to precisely improve service quality.	Zhi Chenghai 18150395078
39			Intelligent roving inspections for subway protection	Utilize AI video analysis technology to accurately identify various safety hazards within subway protection zones (地铁保护区) that endanger subway operations, such as prohibited operations and behaviors.	Improve the efficiency of subway protection risk identification, resolve roving inspection risk problems, reduce response times, and enhance subway protection standards.	
40	City Bureau of Agriculture and Rural Affairs	City Flood Warning and Reporting Center		Specialized information search on water and drought disasters for water conservancy practitioners, monitoring of data queries, recommendations, and analysis; and popular science education for the public on flood control and water conservancy knowledge.	Assist in disaster prevention, facilitate grassroots work, and improve response quality and efficiency; facilitate public understanding of relevant information on flood control and water conservancy.	Zhang Xiang 0592-5766803
41			Water conservancy (水利) knowledge intelligent question answering	Based on real-time and historical information such as river basin meteorology, rainfall and water conditions, video monitoring, etc., and dynamic information such as reservoir gate and dam conditions and flash flood risk warnings, achieve real-time forecasting of rainfall and water conditions, data quality verification, risk warning for key sections and protected units in the basin, flood control dispatching rehearsal and flood situation analysis, contingency plan generation and assessment, and other functions, and be able to generate flood control decision-making support information, thereby improving the decision-making efficiency of flood control consultations.	Increase the efficiency of flood, drought, and flash flooding disaster prevention and control, and achieve real-time intelligent monitoring, analysis, and management of the "air-space-ground-water-engineering" ("空天地水工") perception network for water conservancy.	

No.	Work Unit	Division(s) or Office(s) with Requirements	Application Scenario	Core Requirements	Expected Results	Contact Person and Telephone Number
42		City Agricultural Technology Promotion Center	Smart orchard	More intelligent (智慧化) cultivation of crops such as papaya, passion fruit, and *Syzygium samarangense*, achieving intelligentized water and fertilizer management, intelligentized diagnosis and control of pests and diseases, and standardized ripe fruit picking.	Increase the accuracy of routine field management, boost product quality, and implement roving robot inspections, diagnosis, and management.	Huang Yongxiu 13338368063
43			Smart tomato cultivation	Intelligentized cultivation of tomatoes, achieving precise water and fertilizer control in routine field management, early warning for common pests and diseases, and standardized harvesting of fruit at maturity.	Prevent tomato pests and diseases in advance to reduce pesticide usage; standardize harvesting to resolve problems related to labor costs and differing harvesting standards.	
44		City Agricultural Comprehensive Law Enforcement Detachment	Water conservancy law enforcement assistance	Identify production and construction projects that are legally required to prepare soil and water conservation plans, verify whether such plans were submitted before construction was initiated, whether soil and water conservation compensation fees have been paid in full and on time, and whether self-inspection of soil and water conservation facilities was conducted before they were put into production or use.	Preliminarily assess whether soil and water conservation facilities for production and construction projects have legal violation issues such as "construction before approval" or "operation before inspection," and enhance the efficiency of water administration law enforcement.	Dai Mingwei 0592-5993736
45	City Commerce Bureau	Market Operations Division	Wholesale agricultural product market transactions	Achieve the digitization of wholesale transaction data, visualization of transaction processes, and agricultural product traceability for agricultural products such as vegetables and aquatic products (水产品) in wholesale agricultural product markets.	Market transactions will be informatized (信息化) and data will be used as a reference for market controls (市场调控).	Fan Yi 0592-2855793
46	City Health Commission	Planning and Information Technology Division (规信处)	Intelligent triage and guided diagnosis	Optimize patient flow and reduce wait times in emergency rooms and outpatient clinics.	Using patients' main complaints, basic vital signs, and an AI question answering system, patients are automatically assigned to the appropriate department or priority level. – Triage accuracy will be improved to over 90%, and the proportion of non-emergency patients occupying emergency resources will be reduced.	Zheng Wenjie 13215918518
47			Assisted clinical diagnosis	Extract key information from medical records and provide intelligent diagnosis and	Provide intelligent diagnosis and treatment recommendations.	

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				treatment recommendations to assist physicians in making decisions.		
48			Public health monitoring and early warning	Utilize AI technology to carry out real-time monitoring and analysis of vast amounts of public health data, including data on infectious disease outbreaks, chronic disease incidence rates, environmental factors, etc., to provide timely early warnings of potential health risks.	Increase public health incident early warning ability and response speed.	
49	City Emergency Management Bureau	Command Center	Assisted decision-making	When responding to emergencies such as forest fires, urban flooding, and production safety accidents, AI models will be utilized to access weather forecasts, surveillance videos, population heat maps, traffic networks, social media sentiment, and other data in real time in a multimodal manner through multi-source data integration, real-time analysis abilities, and intelligent decision support systems. This data will be combined with static data such as emergency response plans for emergencies, analysis of nearby areas, rescue supplies, teams, and historical disaster databases to form comprehensive situational awareness. Real-time inference and prediction of event trends (such as fire spread paths and crowd evacuation directions) will be conducted to generate early warning signals in advance. Emergency response recommendations will be made: First, emergency response level recommendations will be made; second, based on the type of incident, rescue teams will be paired with rescue resources, and rescue command recommendations will be made; third, linkage will be made to the intelligent transportation system to divert traffic and reduce congestion; fourth, based on population heat map data, the optimal escape routes will be pushed through a mobile phone	Improve emergency response speed and accuracy.	Yang Jie 13600928185

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				SMS targeted notification platform.		
50		Production Safety Coordination Division	Production safety	Input historical data on the number of accidents across all industries and types in the city, along with their causes, for AI to analyze and predict future trends in accident occurrence across all industries city-wide.	Early warnings of potential production safety risks will be issued and corresponding risk control measures proposed.	Hong Zehua 15927077119
51		Earthquake Bureau	Earthquake disaster mitigation assistant	Process earthquake data, provide responses to questions on the latest earthquake information, generate earthquake report templates, and provide Q&A responses on earthquake avoidance and protection (e.g., informing and guiding people on the nearest earthquake shelters and how to take emergency measures), and answer common questions about earthquakes	Improve earthquake emergency response efficiency and provide city residents with earthquake emergency services	Pan Zhenyu 15392038139
52		Intellectual Property Protection Division (Trademark Supervision Division)	Front-line law enforcement and supervision	Front-line intellectual property supervision and law enforcement staff face questions (issues raised) from regulatory targets (service recipients). They must promptly and quickly respond with relevant laws, regulations, policies, and compliance standards. After verification, front-line staff can provide warnings and relevant guidance to regulatory targets.	Increase front-line intellectual property law enforcement and supervision personnel's familiarity with, and ability to apply, laws, regulations, and policies, integrate supervision into service, and raise regulatory target satisfaction levels.	Chen Liming 13338362572
53	City Market Supervision and Administra-tion Bureau	Food and Beverage Division	Intelligent identification and analysis of non-standard data	Conduct batch data cleaning, categorization, summarization, and verification of non-standard information (including images) such as news sentiment analysis, complaints and reports, consumer reviews, supervision inspections, and penalties, using functions such as image understanding, semantic recognition, and content extraction, thereby improving regulatory quality and strengthening food safety risk assessment and control.	Provide multimodal large models, as well as batch analysis and processing functions for tabular data, to facilitate meeting requirements such as for categorization analysis of issues reported in complaints and reports, verification of whether photos uploaded by restaurants for rectification correspond to the issues reported, etc.	Song Tianyou 13950063994
54			Food Safety Science Popularization Propaganda	Intelligent generation of images, audio, short videos, and other multimedia functions	Generate multimedia science popularization propaganda based on designated themes in formats such as images, audio, and short videos.	
55	City Sports Bureau	Mass Sports Division	Skill level certification for second-level	Accurately identify the relevant application requirements for technical level certification of	Raise administrative approval efficiency.	Zhao Yiming 0592-5339330

No.	Work Unit	Division(s) or Office(s) with Requirements	Application Scenario	Core Requirements	Expected Results	Contact Person and Telephone Number
			(volunteer) social sports coaches	second-level social sports coaches for city residents.		
56	City Bureau of Government Facilities and Landscaping	Garden Management Section of the City Botanical Garden	Water surface cleaning equipment for Wanshi Lake, Shishan Reservoir, and Dongzhaikeng Reservoir	Currently, water surface cleaning is done manually, which poses certain safety hazards. Additionally, due to time constraints, some areas may be overlooked. It is recommended to consider introducing intelligent equipment integrating multiple technologies including mechanical, electronic, and automatic control technologies.	Powered by solar energy, and adopting advanced sensor technologies (such as infrared, ultrasonic, or machine vision), the equipment would automatically identify the types of debris on the water surface and capture them using robotic arms, nets, or suction devices. Automatically transport collected debris to internal storage containers.	Li Zhaowen 0592-2039759
57		City Government Environmental Science and Drainage Management Co., Ltd.	Intelligent roving inspections	Utilize existing Sharp Eyes project (雪亮工程) surveillance video to identify abnormalities such as pipeline damage, leaks, illegal construction, and unauthorized discharges.	Significantly improve roving inspection efficiency and enable continuous monitoring of road and pipeline network facilities.	Luo Ronghui 13600976272
58	City Urban Management and Law Enforcement Bureau	All relevant divisions and offices of the Bureau	Smart city management, government office operations, smart law enforcement	For innovative application scenarios such as smart government affairs review, intelligent roving inspections, intelligent law enforcement, intelligent evaluation, intelligent task assignment, intelligent early warning, intelligent analysis, intelligent decision-making, intelligent command and dispatching, digital human broadcasting, intelligent assistants, etc., analyze issues in urban management such as the division of responsibilities, establishment of management standards, and business process optimization. Through analysis of data on city operation monitoring, cross-departmental collaboration, emergency response, etc., gradually explore the use of big data to gain insights into underlying patterns of city operation, put forward scientific and rational decision-making recommendations, raise execution efficiency, and provide comprehensive technical support for city governance.	Use AI to make city governance more scientific, refined (精细化), and intelligentized, increase the efficiency of smart office operations for government affairs, and achieve effective urban management and law enforcement.	Lin Chao 0592-5379322

No.	Work Unit	Division(s) or Office(s) with Requirements	Application Scenario	Core Requirements	Expected Results	Contact Person and Telephone Number
59	City Petition (信访) Bureau	Reception Division (Petition Service Center), Petition Handling Division, Supervision and Investigation Division, Reinvestigation and Review Division	Office applications	Automatically parse petition texts, analyze and identify the emotional state of petitioners, automatically link to relevant laws and regulations, assist staff in identifying the basis for petitioning, generate standardized responses, and enhance authoritativeness. Through the automatic collection, data analysis, categorization, and processing of petition information, provide accurate handling procedures, shorten processing times, and optimize service quality.	Deeply integrating AI with petition operations can promote a shift from "reactive response" to "proactive governance," helping to build a more efficient and precise social contradiction (社会矛盾) resolution system. Applying AI technology can effectively boost the efficiency and quality of petition work, optimize service processes, strengthen data analysis, and provide strong support for government decision-making. Promote the elevation of Xiamen City's petition work to a new level, and make greater contributions to maintaining social stability and promoting social and economic development.	Zou Shumeng 13850081116

II. List of AI Application Scenario Opportunities

1) All districts and management committees

(i) A total of 18 district-level departments proposed 52 application scenario opportunities

No.	District	Work Unit	Divisions(s) or Office(s) with Requirements	Application Scenario	Core Requirements	Expected Results	Contact Person and Telephone Number
1	Siming District	District Bureau of Science, Technology, Industry, and Information Technology	District Government Assurance (政保) Center	Siming smart government services office	Leveraging the DeepSeek large model's capabilities for deep thinking and reasoning generation, and through learning government service guidelines and business service knowledge materials, combined with digital human technology, a smart virtual government service hall will be constructed within the government service center, enabling integrated inquiry and processing, dynamic traffic routing, and seamless integration with offline physical spaces.	Create a new government service experience that combines virtual and physical and integrates intelligence, drive a transformation of government services from human service to human-computer interaction, and achieve the goal of "getting things done efficiently" (高效办成一件事).	Ye Mingxi 15880255038

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2			Industry and Information Technology Section	Government-side knowledge base construction	Leverage AI technology to achieve efficient official document writing, construct a government-side official document repository, integrate policy materials related to bureau work, employ large models to carry out intelligent sorting and allocation, elevate digital human capabilities, and provide precise services for external consultations.	Improve document writing efficiency, optimize data statistics and search convenience, and enhance the accuracy and efficiency of external consultation services.	Xie Mingcan 18859237332
3		District Urban Operation Management Command Center	District Urban Management Office	Urban management video recognition	On the Siming District Integrated Operations platform, fully utilize the "Sharp Eyes" video resources already accessed, and utilize AI recognition technology to automatically identify urban management issues, generate descriptions, and assign tasks.	Achieve rapid identification and handling of urban management issues.	Zhang Jiankun 13806011218
4		Lujiang Subdistrict Office	Lujiang Subdistrict Office	Subdistrict-level knowledge base construction	Establish a subdistrict knowledge base, collect various policy documents issued by higher-level authorities, and make use of AI assistants to organize and retrieve knowledge base content to assist subdistrict work such as document drafting and data provision. Utilize large language models to carry out subdistrict official document writing and generate relevant materials according to formatting requirements.	Raise the efficiency and quality of subdistrict operations, optimize official document writing processes, assure compliance with formatting requirements, and respond swiftly to requirements.	Zeng Qingkai 18850440040
5		District Landscape and Greening (绿化) Center	Landscape Section	Urban park management	Enhance accessibility system recognition, discourage uncivilized behavior, increase city resident interaction, and add more warnings of areas separated off for tasks such as sprinkler use and pesticide spraying.	Increase accessibility for people with disabilities, enhance city resident experience, and heighten landscape and greening work efficiency.	Cai Zhichuan 13395059272
6	Huli District	District Education Bureau	Teacher Training School	Intelligent lesson preparation	Use AI assistants to quickly generate lesson plans, PowerPoint presentations, and other teaching resources.	Select class content based on resources on the platform and automatically generate corresponding courseware and lesson plans.	Wei Licheng 15305929588
7			Teacher Training School	Intelligent homework review and tutoring	Automatically generate academic performance analysis reports. Provide 24-hour online tutoring services for students.	Provide 24-hour online tutoring services for students.	

No.	District	Work Unit	Divisions(s) or Office(s) with Requirements	Application Scenario	Core Requirements	Expected Results	Contact Person and Telephone Number
8			Teacher Training School	Intelligent education research platform	Support teachers in conducting online education research activities.	Provide teachers with data analysis and research support for scientific research.	
9		District Justice Bureau		Public legal services	Answer users' legal questions and provide basic legal advice; automatically generate legal documents such as contracts and complaints based on user input; quickly search for relevant legal provisions, cases, and literature, and analyze historical cases; provide free legal consultations for economically disadvantaged groups and apply for legal aid.	Increase the public's satisfaction with public legal services and enhance the public's ability to handle matters in accordance with the law; improve the efficiency of legal consultation and legal aid services; raise the efficiency of dispute resolution, and promote the intelligentization and modernization of legal services.	Zhang Huarong 0592-5692189
10		Huli Subdistrict	Safety Supervision Station	Urban villages	Identify dangerous fire sources and fire safety hazards, and be able to respond quickly and issue alarms, especially at night, and to adapt to the complex conditions of urban villages.	24-hour night fire patrol services in urban villages.	Wang Haochen 13385907589
11		Xiamen City Huli District State-Owned Asset Investment Group Co., Ltd.	Investment Department	Intelligent customer service for business promotion policies	Accurately refine business promotion policies, and achieve customer service readily at hand, with all policies available.	Use intelligent robots to solve the problems of multiple business promotion policies and high difficulty of interpretation, automatically match with industries, and reduce the difficulty of policy popularization and extension	Lü Jiacheng 18559026999
12			Xiamen Huli State-Owned Asset Investment Commercial Management Co., Ltd.	Intelligent customer service for the "Houlihui" ("厚礼汇") online platform	Multilingual understanding and reply, quick response, FAQ answer learning	Improve customer satisfaction, provide 24-hour uninterrupted service	Ye Xin 18850042710
13		District Urban Management Committee Commission Office	Digital Huli Command Center	Intelligentized upgrading of construction site noise and dust supervision platform	On the basis of the existing 164 sets of monitoring equipment (coverage rate 86.77%), add an AI video analysis module to automatically identify violations such as [lack of] covering of loose dirt and encircling wall damage; introduce vehicle-mounted mobile	Increase the [detection rate] of violation incidents, and reduce the rate of complaints from city residents on platforms such as 12345	Lin Weijiang 13599912519

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					monitoring equipment to expand blind spot coverage		
14				Full-process optimization and supervision platform for construction waste	With dump truck GPS data linked to the entrance and exit monitoring of construction sites, AI will identify behaviors such as unsecured transport and illegal dumping, and automatically generate a chain of evidence for law enforcement	Increase the detection rate of illegal dumping incidents and improve the compliance rate of transportation enterprises	
15				Dynamic scheduling optimization for bike-share bicycle management platform	Integrate rider usage spike prediction models, analyze parking needs in hot spots such as business districts and subway entrances in real time, and link to enterprises to automatically adjust delivery volume and the range of electronic fences	Increase the bicycle turnover rate in key areas and shorten the time required to handle illegal parking incidents	
16				Fire warning system upgrading for smart urban villages	Add AI thermal imaging cameras to monitor the battery temperatures of electric vehicle charging stations, combine with power load data to establish a fire risk prediction model, and link to automatic sprinkler systems	Improve fire warning accuracy and reduce the incident occurrence rate	
17				Increase computing power for urban appearance issues, improve and intelligentize recognition algorithm iteration	There are more than 10,000 roadside surveillance video feeds, but algorithm computing power analysis is limited. Add computing power, train multimodal AI models, enhance recognition ability in complex scenarios such as "Three Guarantees Outside the Front Door" ("门前三包") violations and mobile vendors blocking the road, and support Southern Min dialect voice command interaction	Improve incident categorization accuracy and improve the efficiency of urban management squads (城管中队) and grid-based community management officers (网格员)	
18				Smart community supervision system	Build a supervision platform for communities in Huli District by combining existing Huli population, enterprise, video, emergency, fire, and neighborhood information, building information, etc.,	Conduct video analysis of community urban management and roadside environmental sanitation conditions, use emergency fire data to quickly respond to emergencies, introduce AI for facility maintenance and community interaction, and raise	

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						resident participation levels	
19				Low-altitude AI-based roving patrol system	Deploy roving patrol drones with automatic hangars, use AI-based flight route planning to achieve automatic identification of illegal buildings and of urban appearance, coastal defense line, and urban village issues, automatically identify illegal construction, garbage accumulation, and other problems, and establish a handling mechanism featuring air-ground linkage	Improve the discovery of illegal construction, reduce the occurrence of coastal security problems, and improve efficiency in the detection of safety hazards such as objects falling from heights	
20				AI-based smart public restroom management system	Deploy environmental sensors and video surveillance in public restrooms district-wide, and use AI to automatically adjust ventilation and odor control equipment, monitor restroom occupancy status, and push real-time availability information via a mobile app.	Shorten average wait times for city residents using public restrooms and improve facility maintenance request response times.	
21				Underground pipeline network digital twin	Integrate GIS, BIM, and IoT data to build a 3D pipeline network model, use AI to predict pipe aging and leakage risks, and simulate drainage capacity during heavy rainfall.	Reduce pipeline network maintenance costs and shorten urban flooding response times.	
22				Intelligent decision-making system for flood and typhoon mitigation	Integrate meteorological data, historical disaster databases, and video surveillance to build flood prediction models and to dynamically generate material dispatching plans and evacuation route optimization recommendations.	Provide earlier warning of disaster severity and improve emergency resource allocation efficiency.	
23				Important person behavior trajectory prediction	Integrate public security, transportation, and community data to build dynamic trajectory models for persons of concern (涉稳人员), and use AI to predict increased risks and generate surveillance plans.	Improve the accuracy of mass incident (群体性事件) early warnings and increase incident handling efficiency.	
24				Intelligent matching of educational resources	Based on school district population data and school capacity, dynamically predict enrollment gaps, and use AI to generate recommendations for school expansion or new construction site selection, so as to optimize the allocation of educational resources.	Provide enrollment predictions and improve the fairness of educational resource allocation.	

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25				AI-based precision teaching system	Build student learning analysis models, identify knowledge gaps through homework correction and classroom interaction data, and dynamically generate tiered practice questions and micro-lesson videos.	Improve the coverage rate of personalized learning plans for students and increase the degree of mastery of key knowledge points.	
26				Virtual lab teaching platform	Develop VR/AR lab systems for subjects such as physics and chemistry, use AI to correct operating errors, and simulate dangerous experimental scenarios	Reduce lab teaching accident rates and increase the rate of lab classes offered by schools deficient in teaching resources.	
27				Shopping district consumer behavior analysis	By integrating city brain systems with shopping district cameras and POS data, AI will identify foot traffic, consumption hotspots, and customer stay times, and generate store layout optimization plans and promotional strategy recommendations.	Enhance overall revenue in shopping districts and improve merchants' site occupancy satisfaction.	
28				Intelligent retail visual management system	Deploy AI visual weighing systems in large supermarkets to identify fresh produce in 0.2 seconds and automatically calculate prices, and simultaneously analyze shelf display heat maps to optimize product layout.	Improve checkout efficiency, increase shelf turnover rate by 45%, and reduce manual stocking costs.	
29				AR historical district tour guide system	Deploy AR glasses in southern Fujian-style traditional house (闽南古厝) conservation areas or other protected areas. Use AI to restore the historical appearance of buildings, and combine with LBS technology to trigger immersive cultural scenarios.	Lengthen the average visitor stay time and increase cultural communication efficiency.	
30				Intelligent intangible cultural heritage platform	Use motion capture technology to record intangible cultural heritage techniques such as lacquer thread embossing (漆线雕), and develop an AI teaching system to correct learners' technique deviations in real time	Use motion capture technology to record intangible cultural heritage techniques such as lacquer thread embossing, and develop an AI teaching system to correct learners' technique deviations in real time	
31	Haicang District	District Data Administration		City governance – emergency management	Use AI algorithms combined with data collected from various IoT sensors to conduct analysis.	Predict the probability of occurrence and impact range of	Li Yutong 0592-6803739

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						natural disasters in advance; use AI to assist in formulating rescue plans and allocating rescue resources.	
32				City governance – flood warning	Use AI to analyze hydrological data, meteorological data, and data collected from high-altitude cameras and environment-monitoring IoT sensors.	Improve the accuracy and real-time nature of flood warnings.	
33				City governance – conflict and dispute resolution	Use AI to extract and analyze key information from conflict and dispute cases.	Provide decision-making support for mediators; use intelligent chat technology to provide conflict and dispute mediation consultation services to the public.	
34				Administrative review and approval	Intelligent review and approval, automatic comparison and verification of standardized materials, and intelligent analysis and processing of non-standardized materials.	Improve review and approval efficiency.	Yang Youmei 0592-6803182
35					Intelligent customer service: Achieve automatic updating of policy knowledge bases, and quickly respond to and answer common questions; accurately match with services based on the service requirements of the public, and provide intelligent guidance.	Reduce the number of offline consultation visits, and provide 24-hour uninterrupted online consultation and guidance services.	
36					Intelligent review and approval: Online review of pension insurance premium subsidies and applications for unpaid funds for persons subject to land expropriation, and large-scale data processing.	Make offices paperless and raise work efficiency and service levels.	Lin Li 18859292577
37		District Health Bureau		Education and healthcare	Accurate disease identification and diagnosis recommendations, processing of vast quantities of data, and medical equipment integration.	Improve diagnostic accuracy, shorten diagnosis times, and help physicians develop personalized treatment plans.	Lin Wei 0592-6055002
38		District Bureau of Statistics		Livelihood assurance	Intelligent expedited reporting reminders for statistical reports: System will intelligently remind non-reporting enterprises.	Improve efficiency of expedited reporting.	Li Chunyan 0592-6584223
39					Wholesale enterprises are basically petrochemical-related	Materials will be collected in a	

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					(mostly petroleum trading center enterprises). The number of enterprises included in statistics increases annually, but the statistical materials entered for such enterprises are largely the same. An intelligent system procedure can be configured to allow these enterprises to independently submit materials, which the system would review automatically.	standardized manner through the intelligent system. Professional staff will conduct final reviews after preliminary review by the system, thereby increasing review efficiency.	
40		District Education Admissions Examination Center		Intelligent customer service for college entrance exams, junior high school entrance exams, high school entrance exams, and student financial aid	Provide multilingual understanding and replies, respond rapidly, and learn answers to frequently asked policy questions.	Improve customer satisfaction and provide 24-hour uninterrupted service.	You Jingxian 0592-6800625
41		District Teacher Training School		Student mental health counseling and services	Data analysis to identify common issues and provide schools a basis for formulating intervention measures; automated comprehensive assessment and early warning; virtual psychological counseling and personalized recommendations; teacher and parent support, and crisis intervention.	Raise screening effectiveness and provide timely warnings; assist in carrying out teacher and parent support, as well as crisis intervention emergency response, and streamline responses.	Zheng Xiaoling 18030230708
42				Intelligent teaching assistants	Provide teachers with AI teaching assistants to help them with functions such as homework correction, learning analysis, weak point resource recommendations, intelligent question answering, personalized learning plans, and teaching effectiveness assessment and feedback.	Improve teaching efficiency and quality.	Yan Boyuan 13616030520
43				Smart education management	To systematize and intelligentize all aspects of campus management, integrate functions including information query and statistics, data entry and analysis, business process handling, review and approval of various applications, teacher and student profiling and development evaluation, academic affairs management, moral education	Raise campus management efficiency and standards.	

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					management, home-school interaction, teaching and research management, and teaching resource management.		
44			District Party Committee Civility Office (文明办)	Smart civility creation	Develop online civility literacy courses to achieve personalized teaching in civility cultivation and improve educational outcomes; quickly and accurately identify issues in civility creation, and raise the level of urban civility.	Effectively improve residents' civility literacy; make the urban environment cleaner and more orderly, efficiently advance civility creation work, and significantly improve the overall civility image of Tong'an District.	Lin Wenzu 17750627907
45	Tong'an District	District Party Committee Propaganda Department	Propaganda Affairs Center	News and propaganda	Automated content production; intelligent editing and optimization; multilingual translation and dissemination; fact-checking and source verification.	Generate drafts of news articles, policy interpretations, propaganda copy, etc., and respond quickly to hot topics and policy releases. Automatically proofread and optimize language expression to ensure that propaganda content is accurate, concise, and easy to understand. Real-time multilingual translation to facilitate international dissemination. Automatically compare multiple sources to verify the accuracy of propaganda content.	Li Qingjie 18605988737
46				Press conferences	Virtual press conferences	Virtual hosts or holographic projection technology for hosting virtual press conferences.	
47		District Development and Reform Bureau	Investment Section	Industry analysis	Examine the development status of industries, key areas, and production chains district-wide in real time, analyze existing issues, and provide development recommendations.	Provide industry trend analysis and targeted industry analysis reports.	Lin Yifang 18805929276

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48				Information management	Proofreading, information retrieval, knowledge base construction, and data table automation	Quickly query policies and historical documents; rapidly generate visual statistical tables, and predict trends based on historical data	Tong Mingyao 13015747199
49				Economic operations	Analyze the trends, characteristics, strengths, and weaknesses of the region's current economic operations, provide work recommendations, and assist in the preparation of economic operation analysis reports	Through the provision of economic data and some work materials, prepare economic operation analysis reports in accordance with requirements	Huang Lijuan 0592-7558786
50		Ecological Environment Bureau	Environmental Protection Section	Intelligent review and approval	Carry out functional identification with regard to the necessity of construction during prohibited nighttime and midday hours as proposed by construction work units, and make review and approval decisions	Achieve intelligent processing of construction permits for construction during nighttime and midday hours	Wang Rundi 15980793216
51				Air quality prediction	Predict future changes in air quality based on existing automatic air quality monitoring station data in combination with weather forecasts.	Real-time analysis and prediction of air quality changes in the area of jurisdiction.	
52			Ecology Section	Intelligent control of sewage outlets	Use AI to identify whether sewage outlets are abnormal, remotely trigger automatic sampling monitoring functions, and transmit data	Achieve off-site supervision and precise control	Lin Zhiwen 18905922567
53				Rapid marine debris identification and positioning	Intelligent identification of marine debris, real-time transmission of QR code location photos to the ground, and dispatching of debris cleanup tasks through Amap work maps (mapping app)	Intelligent identification and precise, rapid cleanup of marine debris	
54		District Data Administration	Government Service Center	Intelligent review and approval	Quickly determine whether applicants' uploaded materials are complete, whether applicants meet the application criteria, and whether uploaded forms have been filled out completely and correctly.	Quickly compare materials prior to review and flag any errors.	Xiao Yang 0592-3757076
55				Intelligent review and approval	Add intelligent inspection functions for applicant information and materials at each stage of the business handling system. Conduct rapid inspection and assessment of information before	Conduct rapid inspection and assessment of information such as review and approval materials and	

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					materials are submitted, and provide alerts for possible errors. Reduce the likelihood of review errors and shorten review and approval times.	applicant eligibility, assess whether approval decisions may be incorrect, and provide reminders of possible errors. Assessment decision accuracy greater than 80%.	