GOVERNMENT OF ODISHA
ELECTRONICS & INFORMATION TECHNOLOGY DEPARTMENT

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Resolution

Odisha Artificial Intelligence Policy-2025

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Vision

1. Mission

Artificial Intelligence (AI) is transforming governance worldwide, driving efficiency, innovation, and economic growth. As nations prioritize AI to enhance public services, improve decision-making, and boost global competitiveness, India is making significant strides in this domain. The launch of the National AI Mission, backed by ₹10,000 crore in funding, underscores the country's commitment to fostering AI-driven advancements that promote inclusive growth, economic development, and responsible innovation.

Odisha, with its thriving industrial and services sectors, is well-positioned to leverage AI as a catalyst for progress. With the state's strong infrastructure, world-class educational institutions, research Centres, and robust IT sector providing a solid foundation, the state is adopting the mission to integrate AI and drive positive out comes across five key areas:

- **Healthcare**: AI-powered solutions to enhance diagnostics, optimize resource allocation, and improve patient care, leading to better health outcomes for Odisha's citizens.
- **Education**: AI-driven personalized learning, career guidance, and skill development initiatives to bridge gaps in education and employment, ensuring greater opportunities for students and professionals.
- **Agriculture**: AI to support farmers with real-time insights on crop management, predictive analytics, and faster insurance claims, increasing productivity and resilience.
- **Disaster Management**: Advanced AI simulations and predictive analytics to strengthen Odisha's ability to prepare for and mitigate the impact of climate change and natural disasters.
- **Governance**: AI to drive efficiency and transparency in governance by improving project monitoring, fraud detection, citizen engagement, and law enforcement operations.

By harnessing AI's potential, Odisha aims to accelerate socio-economic progress, enhance public services, and establish itself as a leader in AI-driven governance and development.

2. Goals

Odisha's reimagined approach to harness AI to achieve its mission requires making five core strategic choices. These choices will help define the state's goals, which will, in turn, define the state's efforts to build a conducive policy environment to attract the appropriate industries and optimize investments.

I. **Invest in Task Augmentation:** Odisha will use AI to augment human capabilities to support inclusive growth, improve efficiency and preserve

employment. This approach aligns with the state's long-term development objectives.

II. **Scale and Import Solutions:** Odisha will prioritize scaling existing AI solutions that will yield substantial and quicker results, enabling the state to address pressing issues without the lengthy timelines required for innovation. Implementing established models will enhance human capabilities by upskilling the workforce, which is crucial for building a strong talent pipeline. In the medium-to-long term, steady investments in developing tailored AI solutions will drive innovation, improve efficiency, and support sustainable growth.

III. **Foster Innovation and Implement Robust Regulatory Protections:** Odisha will adopt a hybrid approach that fosters a culture of experimentation within a well-defined regulatory framework. By balancing experimentation with protection, Odisha will drive responsible and effective innovation, meet immediate needs, achieve long-term goals, and enhance human capabilities and efficiency.

IV. **Partner with External Entities:** Odisha will prioritize partnering with private companies and research institutions. This will allow Odisha to leverage external expertise and resources, providing access to cutting-edge technology and establishing best practices without the heavy capital burden. Partnerships can also expedite the piloting and deployment of AI applications, enabling faster responses to pressing state needs.

V. **Drive Sustained Impact:** While rapid scaling can deliver quick wins and address pressing needs, it needs to align with Odisha's long-term development goals and need for sustained, long-term impact. Building a robust AI ecosystem may delay specific immediate outcomes but will create the foundation for continuous improvement and adaptability to future challenges.

3. Strategy

A strategic framework has been developed to realize Odisha's AI vision (see Figure 1 Strategy Framework). This framework, based on strategies adopted by global exemplars and local innovators, outlines the Policies core pillars and foundational areas.

1. Infrastructure

Digital infrastructure includes essential technological systems and physical innovation spaces, both critical for AI development. To drive AI adoption, Odisha will invest in three core elements.

1.1 Internet Connectivity

Investing in internet connectivity is essential to develop a robust AI ecosystem in Odisha. A strong foundation in this area, along with improved smartphone penetration and digital literacy, will be critical for mass adoption of the AI use cases that the government will look to launch as part of the policy.

In line with national goals, Odisha will improve internet connectivity, aiming for universal internet access to enable all citizens to participate in the digital economy and benefit from enhanced public delivery systems.

Odisha will launch targeted digital literacy initiatives. These programs will equip citizens with the skills needed to adopt AI technologies.

1.2 Compute and Data Infrastructure

Investing in computing infrastructure is critical to build a robust AI ecosystem in Odisha. This foundational step and improvements in data platforms and interoperability frameworks will ensure efficient data processing and foster collaboration across sectors.

Odisha will allocate a significant share of its IT budget to secure centrally empaneled GPU vendors, building robust compute capacity. By setting up dedicated data annotation centres for open data sharing and supercomputing facilities, Odisha will unlock AI-driven solutions, such as precision agriculture and advanced disaster management systems, which will directly benefit its citizens.

1.3 Innovation Centre (for Application Development and LLM Innovation)

Odisha will establish innovation centres, including research facilities and incubation hubs, to foster an AI ecosystem. These centres will focus on developing AI solutions for Odisha's specific needs, such as healthcare, agriculture, and disaster management. Partnering with academic institutions like IIT Bhubaneswar's AHRC, NIT Rourkela, and IIIT Bhubaneswar, among others, these centres will drive innovation through knowledge sharing, technology transfer, and a collaborative ecosystem and create impactful applications.

A key focus will be developing specific Large Language Models (LLMs) for Odia and tribal languages such as Santali, Saura, and Koya, recognizing the importance of regional language support and cultural preservation. These centres will serve as crucial hubs for AI research, development, and innovation in Odisha, enabling the state to leverage AI for transformative societal impact.

2. Skills

A skilled workforce is the engine that drives AI adoption and innovation. Odisha will invest in developing a talent pool with the necessary skills to create, implement, and manage AI systems. In collaboration with Intel India, the Odisha government has already launched the 'Odisha for AI' portal to promote AI awareness and digital literacy among citizens through free courses like AI Aware and AI Appreciate. Carrying forward this agenda, the state will be partnering with Wadhwani Foundation for skilling in AI and with NASSCOM to set up an AI CoE.

2.1 AI In Schooling:

Odisha will aim to incorporate AI into the school curricula of a significant portion of its schools. This will be achieved by offering AI-related courses or modules, promoting student participation in AI-related clubs and competitions, and providing training and resources to teachers on AI concepts and pedagogy. By fostering AI literacy and skills among school students, Odisha will lay the groundwork for a future-ready workforce and a thriving AI ecosystem.

2.2 Higher Education:

Odisha will strengthen its higher education in AI, developing a skilled workforce capable of driving advanced AI applications. The state will incorporate AI-related courses into existing programs, establish specialized AI programs, provide faculty training, and encourage AI research, innovation and development. Additionally, Odisha will aim to increase the number of patents within the state, especially in AI.

2.3 Workforce AI Skilling:

Odisha will collaborate with private companies and educational institutions to offer AI training, apprenticeships and mentorship programs. Furthermore, it will focus on both technical and non-technical AI skills (adaptability and lifelong learning, communication and collaboration, responsible use of AI) to ensure a well-rounded workforce.

2.4 Government Officials Skilling:

In line with the MEITY and National e-Governance Division (NeGD), which has been conducting capacity-building programs on AI for government officials, Odisha will adopt and run similar AI training programs at the state level. Odisha will integrate AI into government decision-making processes to improve efficiency and effectiveness in government operations.

3. Energy

Access to reliable and large quantum of energy is a critical enabler of AI development and deployment. AI systems, particularly those processing large datasets and scaling solutions across the state, require significant computing power, translating to substantial energy consumption. By prioritizing energy considerations and energy availability, Odisha will ensure that its AI initiatives are delivered at scale. Key elements include clean energy.

3.1 Clean Energy

Investing in clean energy is essential to build a robust AI ecosystem in Odisha. AI's growing demand for computational power can significantly increase energy consumption, making sustainability critical for long-term viability.

Odisha will equip its data centres with renewable energy sources and adopt energy-efficient technologies, minimizing environmental impact while enhancing its appeal as a sustainable AI hub.

4. Policy

A supportive policy environment is essential for fostering AI innovation and adoption. By establishing a conducive policy environment, Odisha will attract investments and ensure that AI benefits its citizens and the state's overall development. Key elements include ethical use guidelines, data governance, cybersecurity and ease of research.

4.1 Ethical Use Guidelines

A framework for responsible AI development and deployment will help address algorithmic bias, data privacy, transparency, and accountability.

Odisha will prioritize developing and implementing ethical use guidelines, protecting the rights and interests of all citizens and building public trust and confidence in AI technologies.

4.2 Data Governance

To build a robust AI ecosystem, Odisha will prioritize developing comprehensive data governance standards. The state will align its efforts with the National Data Governance Framework Policy and the Digital Personal Data Protection Act of 2023, ensuring compliance with national standards. It will establish clear procedures for data management and develop data quality standards that will enhance the state's AI capabilities and position Odisha as a leader in responsible data governance.

4.3 Cyber Security

Odisha will establish a dedicated cybersecurity centre to monitor and respond to cyber threats, specifically critical infrastructure, coordinate with various agencies, and support cybersecurity incident response. Odisha will also explore and implement AI-powered cybersecurity solutions to enhance its defenses against cyberattacks and protect its AI ecosystem.

4.4 Ease-of-Research

Odisha will streamline intellectual property (IP) filings, speed up trademark registrations, and ensure efficient legal processes - such as those related to cybercrime - allowing researchers and innovators to focus on development rather than navigating legal complexities. Odisha will aim to implement dedicated IP policies and expedite legal proceedings for research-related disputes to foster a more research-friendly environment.

4. Framework & Instruments for Implementations:

The E&IT Department, Government of Odisha, through initiatives, such as the "Odisha for AI" program and the establishment of the "Odisha Computer Application Centre," has demonstrated its commitment to leveraging technology for the state's development. Given its expertise and experience in driving technology adoption, the E&IT Department is well-positioned to lead the proliferation of Odisha's AI policy across the ecosystem.

Building on top of the strategic framework, the below section defines Odisha's instruments of implementation, the targets the state will drive against these, and the best practices Odisha will adopt to ensure effective AI proliferation.

1. Internet Connectivity

	Current [1]	Target (2029)	Target (2036)
Internet penetration rate (No. of internet subscribers per 100 population)	55	90	130

Smartphone penetration % (Percentage of persons using mobile telephones with an active sim card during last three months)	58	65	85
Digital literacy %	32	65	75

Odisha aims to achieve 10% CAGR in internet connectivity by leveraging national schemes like Bharat Net and fostering public-private partnerships to bridge the digital divide. The state will strive for 87% smartphone penetration by 2036 through targeted subsidies and partnerships with telecom companies. Concurrently, Odisha will enhance digital literacy by 15% CAGR, aiming for 75% by 2036, by implementing programs modelled after PMGDISHA and collaborating with educational institutions and NGOs to empower citizens, particularly women and rural populations, with digital skills necessary to effectively utilize AI technologies and participate fully in the digital economy.

2. Compute and Data Infrastructure

	Current	Target (2029)	Target (2036)
Data centre capacity (Total storage and processing capacity in MW)	5	10	45

Odisha has started with a 5MW data centre and will look to double it by 2029, as accomplished by leading states in India over the last decade[2].

Odisha will collaborate with the national AI mission through incentivization and private partnership with partners empanelled through the national AI mission and licensing TPUs or LPUs as a lower-cost alternative to GPUs. Similarly, by adopting cloud solutions and leveraging national platforms such as the IndiaAI Datasets platform and the IndiaAI Compute portal, Odisha will reduce infrastructure costs and facilitate data sharing across sectors, making AI-driven services more accessible.

To access robust datasets, Odisha will endeavour to integrate its state data platform with the IndiaAI dataset platform and create synergy. To develop Odia-specific datasets, Odisha will leverage the expertise of over 1 lakh students currently enrolled in different undergraduate/postgraduate courses across the state majoring in Odia. Looking to be a top-performing state in the government's Open Government Database and fostering collaboration across sectors and partners, Odisha will also develop open data platforms and interoperability frameworks. By drawing from Data Empowerment and Protection Architecture (DEPA) and India Urban Data Exchange(IUDX), Odisha will facilitate secure and user-consented data integration across sectors like healthcare, education, and agriculture, driving cross-sector AI innovation while ensuring data consistency and quality by linking AI training and application datasets to the existing digital public infrastructure.

3. Innovation Centre and Application Development

	Current	Target (2029)	Target (2036)
Number of AI innovation centres	-	3	7
Number of AI incubation centres (Number of incubation centres)	- (9)[3]	15 (60)	30 (120)

Given Odisha's focus on AI use cases in five[4] sectors, it has identified seven institutions of national repute in Bhubaneswar to set up AI innovation centres to make Bhubaneswar one of the AI hubs in India. Odisha aims to establish 7 AI innovation centres by 2036, fostering research and development through collaborations with academic institutions and leveraging national initiatives like the Atal Innovation Mission. The state is committed to fostering innovation by actively promoting participation in the India AI Mission's hackathons. Additionally, the state will host AI hackathons and product showcase competitions in collaboration with academia and industry leaders. This initiative aims to encourage startups to create AI-powered solutions that address the unique challenges Odisha faces.

Odisha will leverage central support for implementation support as it will look to conduct a proof of concept for all use cases selected under the India AI Application Development Initiative and scale successful ones.

4. AI in Schooling

	Current	Target (2029)	Target (2036)
% Schools with AI curriculum	-	35	90

To build AI talent and follow global leaders, Odisha will integrate AI concepts and skills into school education, laying a foundation for future learning and innovation. Odisha will take a balanced approach that results in 35% of schools in the state having an AI curriculum by 2029, and the same growth is then extrapolated to 90% for 2036. The state will introduce specialized AI modules and computational thinking from an early age, gradually scaling up to data science, basic coding, and ethics of AI in secondary classes, thereby equipping students with a 21st-century skillset.

By adopting a hub-and-spoke model for AI education, aligning with the NEP 2020 and leveraging funding from the India AI Mission's "Future Skills" pillar, Odisha will extend AI lab access and learning opportunities to schools across the region, fostering equitable technology education and nurturing a skilled AI workforce.

5. Higher Education

	Current	Target (2029)	Target (2036)

% STEM graduates specializing in AI- per year		15	55

As Odisha looks to create an AI-ready workforce, it will provide avenues for AI specialization through courses, 1-year specialization pathways, electives and AI-specific degrees. India is looking to grow its AI-specialized graduates to 1 million by 2026[5]. Odisha will target the same growth rate[6] until 2029, and from 2029 to 2036, it will replicate the growth rate[7] of countries with nearly 15% of STEM graduates specializing in AI, such as the USA and Canada. By establishing specialized AI programs at the bachelor's, master's, and doctoral levels, Odisha will create a solid academic foundation in AI research and applications. The India AI mission under its pillar, "India AI Future Skills' is funding fellowships for B. Tech (Rs 1 lakh per year), M. Tech (Rs 2 lakh per year) and PhD (Rs 25 lakhs per student specializing in AI. Odisha will promote India AI PhD Fellowship program amongst its academic institutions to build a future-ready workforce.

To proliferate AI in research, Odisha will deploy a multitude of research centres through a hub and spoke model where flagship educational institutions like IIT Bhubaneswar and NIT Rourkela's infrastructure will be used to become the hub of AI, which will be borrowed by 'spoke' academic institutions.

6. Workforce AI Skilling

	Current	Target (2029)	Target (2036)
Number of citizens trained in AI-related skills per year		8000	18000

To develop and use AI solutions, Odisha will prioritize skilling initiatives for the population, focusing on technical and non-technical skills. As India targets to train 1 lakh youth in developmental AI skills over 3 years through the Srijan and YuvAI programs[8], Odisha will look to capture 10%[9] of this national target to skill 8,000 people annually by 2029 and continue this growth rate until 2036. By collaborating with private companies and universities and through the World Skills Centre's School of Engineering, Odisha will deliver AI training and apprenticeships aligned with industry needs.

Odisha will select ITIs in the state's Tier 2 and Tier 3 cities so that data and AI labs can provide inclusive skilling opportunities, including developing a workforce for the data annotation and supercomputing facilities the state aims to develop.

7. Government Officials Skilling

	Current	Target (2029)	Target (2036)
Government officials trained in AI-awareness and governance %		75	100

Equipping officials with a solid understanding of AI concepts will enable them to manage AI projects effectively and make informed policy and investment decisions. As the country looks to train 30 lakh government officials (15% of central government strength) in the use of AI within a year[10], Odisha will also set similarly ambitious targets and, within five years, train 75% (15% per year) of the state government by 2029 and 100% before 2036.

The state will invest in comprehensive and long-term skilling of government officials, which includes AI training programs focusing on fundamentals, data governance, project management, and ethics.

Ensuring government officials are taught responsible and ethical AI use is vital to Odisha's AI strategy. Government AI training programs will emphasize transparency, accountability, and fairness to mitigate risks such as algorithmic bias and data misuse and ensure equitable application of AI across the Odia population.

8. Clean Energy

	Current	Target (2029)	Target (2036)
Renewable Energy consumption in AI infrastructure[11]	-	50%	65%

Odisha will prioritize integrating renewable energy into its AI infrastructure to ensure a sustainable AI ecosystem. The Odisha Energy Department has set a target of achieving a 50% renewable energy mix by 2030. Given that most of the AI infrastructure will be newly set up, guidelines will be placed to make sure this AI infrastructure meets the target of the Odisha energy department, even for power consumption. The department has also set a target of 65% renewable energy mix by 2036, which will serve as a target for Odisha.

Odisha will meet AI's energy demands without increasing its environmental footprint by focusing on renewable sources such as solar, wind, and hydropower. The state will collaborate with national initiatives like the Ministry of New and Renewable Energy's Solar Energy and Green Energy Corridors.

Equipping data centres with renewable energy is critical for reducing the environmental impact of AI operations.

9. Ethical Use Guidelines

Odisha will develop ethical usage guidelines that ensure AI technologies are applied to protect all citizens' rights and interests. A clear framework for responsible AI development is critical to addressing issues like algorithmic bias, data privacy, transparency, and accountability. Odisha's guidelines will focus on safeguarding vulnerable populations and include mechanisms to address biases and misuse, aligning with national AI strategies and international standards.

By partnering with local communities, government bodies, and NGOs, Odisha will implement AI education and awareness campaigns modelled after the "AI for All" initiative to demystify AI, enhance citizen understanding, and foster public trust in AI technologies through transparent communication and engagement, ensuring its ethical and responsible use.

Odisha will adopt a phased approach to implementing ethical AI guidelines, emphasizing citizen rights and data security while enabling controlled experimentation through regulatory sandboxes. By establishing a dedicated monitoring body and fostering collaboration with stakeholders, Odisha will ensure responsible AI deployment and accountability for AI-generated outputs, prioritizing traceability and transparency.

10. Data Governance

Odisha will prioritize developing comprehensive data governance standards, aligned with international best practices, to regulate data collection, storage, access, sharing, and disposal, ensuring secure data management, mitigating privacy risks, and building trust among AI stakeholders through mandatory certification for developers and companies.

Facilitating collaboration with research institutions and private companies is crucial in advancing Odisha's AI development, and robust data governance standards will be central to building these partnerships. By improving its data management standards, Odisha will focus on drawing private investments and research collaborations, creating AI-driven solutions tailored to local challenges.

Odisha's initiatives will align with national frameworks such as the National Data Governance Framework Policy and the Digital Personal Data Protection Act of 2023. Odisha will also establish data management procedures and quality standards that support AI technologies, focusing on data accuracy, completeness, and accessibility. By adopting a balanced approach to data governance, Odisha will build an AI ecosystem that promotes innovation, respects privacy, and delivers tangible economic and societal benefits.

11. Cyber Security

To ensure a secure AI ecosystem, Odisha will prioritize cyber Security investments to protect AI systems from threats like data poisoning, adversarial attacks, and model extraction. Advanced cyber security technologies and processes will safeguard AI networks from unauthorized access and disruptions, ensuring system integrity and reliability.

A dedicated cyber Security task force will monitor, flag, and respond to threats, particularly in critical sectors like energy, healthcare, and transportation, where AI is increasingly vital. The government will collaborate with private companies and research institutions for rapid threat response while promoting cyber Security training and awareness programs to build local expertise.

Odisha will explore AI-powered cyber Security solutions, leveraging machine learning for threat detection and response. This approach will ensure cyber Security evolves alongside AI advancements.

Integrating cyber security into Odisha's ethical AI and data governance frameworks is essential. The state will embed data protection, vulnerability assessments, and incident response protocols into AI policies. Additionally, proactive measures like threat intelligence and incident response planning will strengthen defenses, positioning Odisha as a leader in AI-driven cyber security.

12. Ease-of-Research

	Current Status[12]	Target (2029)	Target (2036)
NITI Aayog India Innovation Report Safety and Legal Environment Ranking	28	Top 15	Top 5
Number of Patent applications filed for AI[13] (Number of patent applications filed in the state (per 1000 of population))	0.6 (40)	1 (95)	5 (300)

Improving the ease of research will be a priority for Odisha to foster a thriving AI ecosystem. Given its choices of innovation and protection, Odisha will aim to achieve a Top 15 rank in 2029 and a Top 5 rank in 2036. The state will eliminate barriers and support innovation by streamlining processes such as intellectual property (IP) filings, trademark registrations, and legal proceedings. Ecosystems that enable rapid experimentation and collaboration are vital for AI growth, and Odisha will implement research-friendly policies that simplify legal complexities. The state will adopt dedicated IP policies that cater to the specific needs of AI researchers and innovators. To protect AI innovators' rights, Odisha will introduce policies and encourage greater collaboration between academia, industry, and the public sector.

Expediting legal proceedings for research-related disputes is essential to support rapid AI innovation. By establishing a legal infrastructure, Odisha will prioritize resolving research-related legal matters, allowing AI developers to focus on innovation without prolonged legal disruptions.

5. Financing and Partnership:

The government will establish robust financing mechanisms and strategic partnerships to implement Odisha's AI strategy and drive meaningful outcomes successfully. By mobilizing financial resources and fostering collaborations across government, industry, and academia, Odisha will ensure sustainable AI development and deployment. This section outlines the approach to securing the necessary funding and partnerships to build a thriving AI ecosystem that supports innovation and large-scale adoption across sectors.

1. Financing

Within the government, financing will be crucial to integrate AI into governmental functioning and deploy AI use cases. To develop a thriving AI ecosystem in the state, Odisha will enhance its financing mechanisms to support entrepreneurs and researchers in bringing AI solutions to market. Odisha will also prioritize partnerships with venture capitalists, startup-focused banks, and private sector leaders to fuel AI innovation. The E&IT Department and the AI Cell (described in Section 6.1 of the AI Policy) established as part of the Odisha AI Mission will facilitate set-up of an AI-focused venture fund and accelerator program, enabling access to early-stage funding and fellowships for innovators across sectors such as agriculture, healthcare, and disaster management.

Odisha will develop sector-specific funding avenues and provide funds to create a thriving ecosystem for research and innovation and support startups and entrepreneurs.

The financing mechanisms for compute capacity, AI-focused skilling, and internship programs have been outlined in the Odisha IT Policy (2025)[14]*

2. Partnerships

To build a thriving AI ecosystem, Odisha will prioritize partnerships to access specialized skills, technologies, and data that may be available outside of individual organizations. By partnering with private companies, research institutions, and government agencies – such as IndiaAI mission, Odisha will create an environment where resources and expertise are shared, reducing development costs and improving AI solutions across sectors.

The state will enhance its AI ecosystem by exploring partnerships with international organizations. Odisha will work with international AI consortia, technology firms, and academic institutions to access global expertise and cutting-edge AI technologies. Creating an open data platform is another important initiative for Odisha to foster AI research and development. The state will encourage collaboration among startups, research institutions, and technology providers by providing access to relevant datasets. By making datasets available, Odisha will fuel AI research in critical areas and address local challenges through data-driven solutions

6. Convergence

Odisha will establish a state-level AI Mission to effectively implement its AI policy, mirroring the National AI Mission. This dedicated mission will unify efforts across sectors, including government, industry, academia, and civil society, to accelerate AI adoption and drive impactful policy outcomes. Odisha will leverage resources, expertise, and funding opportunities by aligning with the National AI Mission while positioning itself as a hub for AI innovation and attracting global partnerships. The mission will have a two-layered structure, comprising an AI task force and an AI cell. Additionally, the mission will be supported by external stakeholders such as different

departments of the Government of Odisha, industry, associations, startups, academia, among others.

1. Mandate of the AI Taskforce

The Odisha AI Taskforce will focus on driving time-bound initiatives and fostering new ways of working, ensuring a coordinated approach to harnessing the transformative potential of AI.It will provide strategic direction and guidance for adoption of AI in the state. The taskforce will include senior officials from the Government of Odisha, industry leaders, academics from premier institutions, and representatives from local industry. and will be chaired by the Principal Secretary, E&IT Department. Key roles and responsibilities of the taskforce will include:

1. Provide strategic guidance for operationalization and implementation of Odisha AI policy and its use cases.
2. Recommend strategies that align with international standards and local needs by leveraging global insights and incorporating best practices worldwide.
3. Bring in Alexpertise in an advisory capacity to guide the state, government departments and other stakeholders on their AI initiatives.
4. Track progress of the initiatives being carried out by the AI Cell, through Key Performance Indicators (KPIs).

A dedicated AI Cell established under Odisha Computer and Application Centre(OCAC), Technical Directorate of the E&IT Department ,will be set-up as part of the Odisha AI Mission, which will ensure that AI implementation aligns with the long-term vision of the state. The cell will implement the objectives of the Odisha AI Mission set up working models for effective delivery and ensure a well-structured and forward-looking approach to AI-driven initiatives.

Further, it will undertake the following activities (non-exhaustive):

a. Drive Compute Capacity Requirements through assessment and fulfilment of high-performance computing (HPC) needs for academia, startups, and government departments
b. Standardize Datasets Across Departments through creation of a unified framework for data collection, cleaning, and annotation across government departments. Upload standardized datasets to the India AI Datasets Platform (AI Kosh) for use in developing AI solutions.
c. Drive AI Skilling Initiatives by partnering with skilling organizations.
d. Evaluate and help deploy Sector-Specific AI Solutions through collaboration with the IndiaAI Mission.
e. Foster innovation through partnerships and collaboration with startups, academia, and industry to develop AI solutions for Odisha-specific challenges.

f. Ensure Safe and Trusted AI through regular reviews of AI models to mitigate bias and ensure compliance with data privacy laws.

g. Promote AI Adoption in Governance through integration of AI into government workflows for better decision-making and efficiency.

h. Facilitate funding and mentorship for AI startups through grants, venture capital, and incubation programs

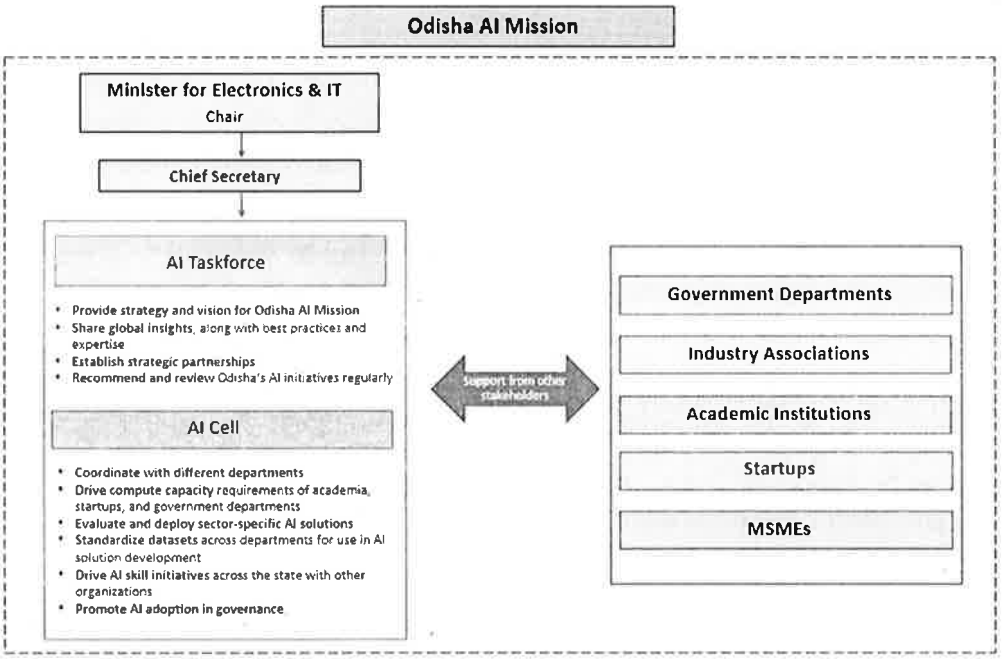

Figure 3 Structure of the Odisha AI Mission

2. Phased Approach for the AI Mission Taskforce

To set up an effective AI Mission Taskforce, Odisha will follow a three-stage approach: Get Ready, Get It Done, and Keep It Done. Each phase is designed to ensure the task force's success in managing Odisha's AI transformation, from initial preparation to sustained impact.

2.1 Phase 1: Get Ready

(Estimated Duration: 1–2 months)

During the "Get Ready" phase, a foundational stage for Odisha's AI ambitions, the state will prioritize strategic initiatives, assess readiness, and create actionable plans that ensure disciplined execution. The state will carry out the following activities as part of this phase:

1. **Prioritize Strategic Initiatives and Use Cases:** Identify and sequence foundational initiatives across infrastructure, skills, energy, policy and sectoral use cases.
2. **Conduct Comprehensive Assessment:** Conduct a detailed evaluation of Odisha's current technological and policy readiness, infrastructure gaps, and workforce capabilities and identify high-impact physical locations (e.g., urban hubs, rural centres) for strategic interventions.
3. **Develop Action Plan:** Develop a detailed plan for prioritized use cases, policy interventions, and schemes, defining roles and engaging stakeholders.
4. **Develop Solution and Engage Vendor:** Develop initial solution designs for prioritized AI interventions and issue Requests for Proposals (RFPs) for vendor onboarding.
5. **SecureResource:** Secure funding and resources through state budgets, central schemes, and partnerships while establishing contingency plans.

2.2 Phase 2: Get It Done

(Estimated Duration: 9–15 months)

The "Get It Done" phase transforms strategy into action, focusing on piloting, refining, and scaling interventions while ensuring adaptability and inclusivity. The state will carry out the following activities as part of this phase:

1. **Deploy Pilot Interventions:** To validate their scalability and inclusivity, implement AI interventions through pilot projects across diverse contexts.
2. **Gather Feedback and Refine:** Gather real-time feedback from stakeholders to refine solutions, address challenges, and improve outcomes dynamically.
3. **Scale Successful Interventions:** Expand successful pilots across Odisha with a phased approach, prioritizing high-impact sectors.
4. **Draft the AI Policy:** Release a comprehensive AI policy addressing Odisha-specific needs, with financial benefits for AI sector startups and companies.
5. **Monitor Outcome and Measure Impact:** Track sector-specific metrics such as healthcare improvements, enhanced education quality, and environmental impact via a centralized performance dashboard.

2.3 Phase 3: Keep It Done

(Ongoing, with reviews every 2–4 months)

During this phase, progress will be tracked, results will be measured, and strategies will be refined to ensure enduring success. The actions of this phase will build a culture of accountability and collaboration that transcends immediate goals, ensuring that AI's benefits continue to serve the state and its citizens over time. The state will carry out the following activities as part of this phase:

1. **Build a Monitoring and Evaluation Framework:** Develop a framework with clear KPIs to track and measure the long-term impact of AI initiatives. Ensure these metrics align with strategic goals and objectives.
2. **Establish Progress-Tracking Routines:** Implement consistent routines for tracking progress against milestones and long-term objectives. Use data insights to identify areas requiring adjustments or enhancements.
3. **Create Regular Reporting Mechanisms:** Set up structured reporting systems for internal teams and public stakeholders. Ensure that these reports highlight progress, challenges, and actionable recommendations.
4. **Foster Open Feedback Channels:** Establish clear communication pathways between leadership and public service teams. Use real-world feedback to make swift adjustments and refine strategies as needed.
5. **Promote a Collaborative Culture:** Encourage a solutions-focused environment where team members can suggest improvements. Recognize contributions to enhance motivation and innovation.
6. **Enhance Accountability and Transparency:** Use regular updates and open reporting to build stakeholder trust. Ensure all actions are aligned with the task force's objectives and public expectations.

Appendix-I

7. Governance :

The "National Strategy for Artificial Intelligence" emphasizes AI's potential to enhance citizen services, improve efficiency, and increase transparency in the public sector. Odisha can leverage AI to achieve these goals:

1. AI can transform **public service delivery** through initiatives like the Odisha One Portal. By integrating AI, the portal can predict service demand, automate service tracking, and provide 24/7 assistance using chatbots and voice assistants. AI-powered dashboards can further analyze service data to identify delays, ensure accountability, and improve citizen satisfaction, making governance more responsive and effective.
2. To cater to the rural and tribal population, Odisha will specifically focus on voice-based AI tools in Odia and other tribal languages through initiatives such as the Odia Virtual Academy in collaboration with the Artificial Intelligence and High-Performance Computing Research Centre (AHRC) IIT Bhubaneswar. This will simplify rural and tribal population's access to essential services in healthcare and education among others, in remote areas
3. Odisha's police and surveillance systems can benefit from advancements in AI. Real-time video analytics and facial recognition can be integrated into **AI-enhanced surveillance systems** to identify potential threats and optimize resource deployment. Similar systems are already being piloted by Shree

Jagannath Temple Administration, Puri, for effective implementation of footfall counting and AI-enabled security mapping to identify high-risk zones and improve response times, creating safer communities.

4. To address corruption, Odisha can leverage AI in the Ama-Sashan App to analyze spending patterns, prioritize citizen complaints, and detect anomalies in financial transactions. This application of AI will enhance transparency and promote accountability in public spending.
5. In **digital land records management**, AI-powered OCR (Optical Character Recognition) can digitize land records with high accuracy and efficiency. Additionally, AI-driven computer vision tools can monitor land encroachments and detect changes in land use using satellite imagery.
6. The judicial system in Odisha can leverage AI for **court case prioritization and legal automation**. AI-driven case management tools can analyze case histories, predict complexity, and prioritize cases for hearings, helping reduce backlogs. Natural Language Processing (NLP) tools, inspired by the Supreme Court's SUPACE initiative, can automate legal document drafting and data extraction.
7. To combat misinformation, Odisha can deploy **NLP-powered tools** to monitor social media and flag fake news, drawing lessons from the Indian government's Cyber Swachhta Kendra. These tools can help maintain public trust and prevent the spread of harmful misinformation.
8. In e-procurement, AI-driven systems can analyze procurement data to predict needs, evaluate supplier performance, and detect fraud. Inspired by the Government e-Marketplace (GeM), this approach ensures the efficient use of public funds and reduces waste.
9. Odisha's smart cities can also harness AI to optimize resource allocation for water, electricity, and waste management. AI can improve road safety, enhance energy management, and forecast pollution trends, enabling cities to become more sustainable and livable.

By embracing these AI-powered solutions, Odisha will streamline processes, optimize resource allocation, enhance citizen engagement, and achieve a more efficient, transparent, and citizen-centric governance model.

8. Education:

India's AI education sector is booming, driven by factors like the National Education Policy 2020 and growing investor interest. This presents a significant opportunity for Odisha to address its educational challenges.

- AI can be utilized to create **personalized learning experiences** for students in Odisha. Through adaptive exercises and virtual tutoring available on online platforms, students can benefit from customized learning paths tailored to their individual needs and abilities.

- To address the challenge of connecting ITI graduates with suitable jobs, Odisha can develop an **AI-powered job-matching platform**. By drawing inspiration from successful models like Upwork and Freelancer, the state can facilitate a seamless connection between skilled graduates and job opportunities, enhancing employability and bridging the gap between supply and demand in the job market.
- In every school, **AI-powered virtual assistants**, tentatively named "Vidya," can be introduced to provide personalized support to students and teachers. These assistants, inspired by platforms like Amazon Alexa and Google Assistant, can answer questions, plan lessons, and create an interactive learning environment.
- **AI-powered recommendation systems** can significantly enhance the utilization of e-resources in Odisha. By analyzing students' learning preferences and progress, these systems can suggest relevant educational materials, similar to how platforms like Coursera recommend courses.

To ensure the successful implementation of these measures, Odisha must develop a well-defined deployment strategy that considers the state's unique context and priorities.

9. Healthcare:

AI has the potential to revolutionize healthcare in Odisha by improving diagnostics, reducing fraud, and optimizing resource allocation.

- AI-powered tools can **revolutionize diagnostics and prevent diseases** by assisting doctors in analyzing medical images, lab results, and patient data. For instance, AI-powered diagnostic tools such as diabetic retinopathy, which uses a single image of the eye, could help in mass screenings at a fraction of the cost. This can significantly improve the undiagnosed cases of Diabetes, Hypertension and Anaemia amongst others
- **Risk assessments** become far more effective with the integration of AI. By analyzing a combination of patient data, genetic information, and lifestyle factors, AI can predict the likelihood of future diseases. This enables healthcare providers to take preventive measures, offering patients proactive care.
- **Optimizing resources** in hospitals and healthcare facilities is another critical area where AI can have a transformative impact. AI systems can analyze hospital usage patterns, including bed occupancy rates, staff allocation, and equipment utilization. This ensures that resources are used efficiently, reducing wait times and improving patient care delivery.
- **Telemedicine** is gaining traction as a critical tool for healthcare delivery in Odisha, particularly in remote and underserved areas. AI-powered chatbots can serve as the first point of contact, assessing patient symptoms and directing

them to the appropriate care options. This triage system can significantly reduce the load on healthcare facilities while ensuring timely patient care.

- **Malaria risk mapping** is another innovative AI application relevant to Odisha. AI can predict malaria outbreaks with remarkable precision by utilizing climate data, geospatial information, and historical health records. This allows health authorities to implement targeted interventions, such as distributing mosquito nets and conducting awareness campaigns in high-risk areas.
- **Fraud detection** in healthcare schemes is a significant area where AI can make a difference. By analyzing vast amounts of healthcare data, AI algorithms can identify patterns and detect fraudulent claims with high accuracy. This ensures that funds allocated to healthcare programs reach the intended beneficiaries, promoting fairness and accountability.

To fully realize these benefits, Odisha must build the necessary infrastructure and foster collaborations with technology providers, research institutions, and healthcare organizations. Investments in data collection and analysis, staff training, and regulatory frameworks will be essential to support the adoption of AI in healthcare.

10. Agriculture and Farmer Empowerment:

Odisha has the potential to revolutionize its agricultural sector by embracing AI-driven solutions. By addressing key challenges and optimizing processes, AI can significantly enhance productivity, improve farmer incomes, and promote sustainable farming practices across the state.

- One critical use case is **digital authentication**. By implementing AI-based biometric systems, Odisha can prevent fraud and ensure that agricultural funds are disbursed promptly to the intended beneficiaries. This system will enhance transparency and trust in financial transactions within the agricultural ecosystem.
- AI-powered systems can also optimize irrigation through **precision irrigation** technologies. By analyzing weather patterns, soil moisture levels, and crop requirements, these systems can create efficient irrigation schedules. This approach conserves water and boosts crop yields, contributing to sustainable farming.
- **Crop price forecasting** is another area where AI can empower farmers. By analyzing market trends, supply-demand dynamics, and logistics data, AI can provide accurate price predictions. This enables farmers to make informed decisions about when and where to sell their produce, maximizing their income and reducing wastage.
- Integrating **AI into pest surveillance systems** can transform pest management in Odisha. AI-powered tools can detect and track pests in real-time, providing farmers with early warnings and actionable insights. This

proactive approach minimizes crop losses and reduces the need for excessive pesticide use.

- AI can further assist in **crop damage analysis**, offering faster and more precise assessments of losses caused by natural disasters or pests. These insights can expedite insurance payouts, ensuring farmers receive timely financial support to recover and reinvest in their fields.
- To enhance farmer knowledge, Odisha can develop an **AI-powered super-app** integrated with a robust Agri-Stack. This platform can securely manage farmer data and efficiently allocate resources such as fertilizers and subsidies. The app can also offer personalized advice, market insights, and learning tools to empower farmers.
- Seed quality is a cornerstone of agricultural success, and AI can ensure high standards through **seed quality screening**. AI-powered systems can analyze seeds for defects, diseases, and germination potential, helping farmers access the best inputs for their crops.

By adopting these AI-driven innovations, Odisha can build a resilient and technology-enabled agricultural sector. These advancements will improve productivity and farmer incomes, paving the way for sustainable practices that align with the state's long-term development goals. Through strategic implementation and collaboration with technology providers, Odisha can set an example for agricultural transformation across India.

11. Climate Change and Disaster Management:

Odisha is embracing AI to strengthen disaster management and build climate resilience. It is utilizing cutting-edge technologies to protect communities and mitigate environmental risks. These efforts span disaster response, infrastructure monitoring, energy optimization, and environmental conservation.

- AI will be deployed for **risk assessment and vulnerability mapping**, analyzing geospatial data to identify high-risk areas and vulnerable populations, particularly for cyclones. This builds on Odisha's successful use of AI-driven prediction and tracking systems for forest fires, wildlife and poacher movement in Similipal National Park, demonstrating the potential of technology in early warning mechanisms.
- In the aftermath of disasters, AI will play a critical role in **damage assessment and resource allocation**. By analyzing satellite imagery, drone footage, and social media data, AI systems can provide detailed insights into affected areas, enabling targeted and efficient relief efforts.
- To prepare for emergencies, AI will create **realistic simulations of disaster scenarios**, optimizing evacuation plans and shelter management. These training tools will help disaster response teams act swiftly and effectively during crises.

- AI will also ensure the safety of critical infrastructure through **infrastructure monitoring and predictive maintenance**. Potential failures can be detected early using sensors and algorithms, allowing for timely maintenance and repairs to prevent catastrophic breakdowns.
- **AI-powered chatbots** will enhance communication during disasters. These tools can deliver timely, accurate, and multilingual information to affected communities, ensuring that people receive reliable updates and instructions during emergencies.
- In the fight against climate change, AI will support **climate forecasting and impact assessment** by analyzing environmental data to predict long-term changes and their impacts. This will help policymakers develop strategies to mitigate risks and adapt to new conditions.
- Odisha's energy sector will also benefit from AI-driven innovations. **AI-powered smart grids** will balance energy supply and demand by analyzing real-time data from smart meters, weather forecasts, and grid sensors, ensuring efficient distribution. Additionally, **AI-powered building management systems** will optimize energy consumption in residential, commercial, and industrial settings, promoting conservation and reducing waste.
- AI will advance **carbon capture and sequestration (CCS)** by optimizing the design and operation of CCS systems, identifying suitable storage sites, and monitoring CO2 injection processes. These efforts will be key in reducing carbon emissions and combating climate change.
- Pollution monitoring will be enhanced through AI's ability to analyze data from IoT-enabled sensors, satellite imagery, and ground-level monitoring systems. This will enable real-time air and water pollution tracking **in industrial clusters**, leading to targeted interventions and improved environmental compliance.
- Odisha's rich biodiversity will benefit from AI-powered **wildlife tracking systems**. By processing data from GPS collars, camera traps, and satellite imagery, AI can track wildlife movements, predict migratory patterns, and detect unusual behaviors. These insights will aid in wildlife conservation and habitat protection.

Odisha is paving the way for a more resilient, sustainable, and technologically advanced approach to disaster management and environmental protection through these AI-driven initiatives. These efforts safeguard the state's natural resources and position Odisha as a leader in climate resilience and innovation.

Table1: List of Events and Participants providing input to Odisha AI policy

S.no	Date	Events	Participants
1.	21st July, 2023	An MoU was signed between the Tony Blair Institute of Global Change and the E&IT Dept., Govt.	• DC-cum-ACS, Smt. Anu Garg

		of Odisha for the formulation of the AI Strategy for Odisha	• Special Secretary, Manas Ranjan Panda
2.	8th October, 2024	The initial presentation was given to the Chief Secretary, Govt. of Odisha	• Chief Secretary, Govt. of Odisha, • Principal Secretary, Govt. of Odisha
3.	19th October, 2024	A Brainstorming Workshop was conducted on the AI strategy for the state of Odisha between Industry stakeholders and government officials	• Ministry of Electronics and Information Technology • Bill and Melinda Gates Foundation • International Innovation Corps, • University of California-Berkeley • Samagra • Apurva.ai • People+AI • Wadhwani Foundation • IIT Bhubaneswar • IIIT Bhubaneswar • BPUT • OUTR • VSSUT • World Bank • Accenture • TCS • IBM • Infosys • Cognizant • NASSCOM

Workshops were conducted with various departments of Govt. of Odisha, to gather insights and existing AI use-cases			
4.	12th November, 2024	Information Technology Workshop	• Electronics and Information Technology (E&IT) Department • Odisha Computer Application Centre
5.	12th November, 2024	Education and Skilling Workshop	• Department of School and Mass Education • Department of Higher Education • Skill Development and Technical Education Department
6.	13th November, 2024	Healthcare Workshop	• Department of Health & Family Welfare • Department of Women and Child Development
7.	18th November, 2024	Agriculture Workshop	• Department of Agriculture & Farmers' Empowerment • Department of Water Resources • Department of Finance
8.	19th November, 2024	Climate Change and Disaster Mgmt. Workshop	• Department of Forest & Environment • Department of Energy
9.	20th November, 2024	Governance Workshop	• Department of General Administration and Public Grievance • Home Department • Odisha Police

			• Law Department
Online Workshops Conducted with Start-ups, MSMEs, Corporates, and Academia (in collaboration with NASSCOM)			
10.	29th November, 2024	Consultative Workshop with Start-ups on AI Strategy	• Media Monk • Hyscaler • Keeves Technologies • Coratia Technologies • KonProz GPT • IIT Bhubaneswar
11.	4th December, 2024	Consultative Workshop with Industry Experts on AI Strategy	• PwC • Cognizant • LTI Mindtree • IIT Bhubaneshwar

(The Resolution is issued on approval of the State Cabinet in their 20th Meeting on dated 28.05.2025 as communicated by the Parliamentary Affair Department vide their Memo No. 3971. Dt. 29.05.2025).

The Policy shall be in operation for 5 years or till substituted by another policy from the date of its Gazette Notification. However, the State Government may at any time amend any provision of this Policy.

ORDER: Ordered that the resolution be published in an extra ordinary issue of the Odisha Gazette and copies there of be forwarded to all departments of Government, all Heads of Departments, all Public Sector Undertakings.

By Order of Governor

(Vishal Kumar Dev)

Principal Secretary to Government

Memo No. 3228 /E&IT, Dated 18.06.25

Copy forwarded to the Director, Printing, Stationery and Publications, Odisha, Cuttack for immediate publication in the extra ordinary issue of Odisha Gazette and supply 500 copies of the Resolution to this Department.

18/06/25

Under Secretary to Government

Memo No. 3229 /E&IT, Dated 18.06.25

Copy forwarded to the Principal Secretary to Governor, Odisha / PS to Chief Minister / Private Secretary to all Ministers / OSD to Chief Secretary / Private Secretary to Development Commission-cum-Additional Chief Secretary for favour of kind information of Hon'ble Governor / Chief Minister / All Ministers /Chief Secretary / Development Commissioner-cum-Additional Chief Secretary.

18/06/25

Under Secretary to Government

Memo No. 3230 /E&IT, Dated 18.06.25

Copy forwarded to all Departments of Government/ All Heads of Departments / All Revenue Divisional Commissioners/ All Collectors / Principal Resident Commissioner, Government of Odisha, Odisha Niwas, New Delhi- 110021 / Additional Secretary, Meity, New Delhi, Govt. Of India, All Public Sector Undertakings / SIO, NIC, Bhubaneswar/ Accountant General (A&E), Odisha, Bhubaneswar for information

18/06/25

Under Secretary to Government

Memo No. 3231 /E& IT Dated 18.06.25

Copy forwarded to Parliamentary Affairs Department, Govt of Odisha for information with reference to their Memo No.- 3971. Dt. 29.05.2025.

18/06/25

Under Secretary to Government

Memo No. 3232 /E& IT, Dated 18.06.25

Copy forwarded to Head State Portal Group, IT Centre, Secretariat, Bhubaneswar to hoist the Resolution Policy in the Government Website as well as Website of E&IT Department for wide circulation.

18/06/25

Under Secretary to Government

Memo No. 3233 /E&IT, Dated. 18.06.25

Copy forwarded to the MD, OCAC/ CEO, OCAC / All Sections, E&IT Department for information and necessary action.

18/06/25

Under Secretary to Government