

## AI-Powered Front Desk at Nasscom AI Centre of Excellence

### Information/Content on Nasscom AI CoE for training purpose

MeitY CoE is one of the most effective enablers of deep tech startup ecosystem which is focused on IP and Market Creation. The centers have made co-creation<sup>1</sup> and open innovation reality in India. **CoE has worked very effectively in the domains of Healthcare and Manufacturing, by engaging 160+ enterprises, for cocreation with 500+ startups which has resulted 200+ prototypes and 50+ deployments.**

Over the years, CoE has built unique capability to accelerate the startups by working with industries and PSUs to successfully enable the use case solution development and deployment.

The Center of Excellence for IoT & AI emerged from a partnership among MeitY, state governments, and Nasscom. Its **inception in July 2016** marked a significant moment within the Digital India Initiative. The primary aim has been to foster innovation democratization in burgeoning technologies such as Internet of Things & AI. Equipped labs have facilitated the development of prototypes and creation of solutions by the startups, tailored to sectors (primarily healthcare & manufacturing) vital for India's progress.

Operating from **four strategic locations including Bangalore, Gurugram, Gandhinagar and Vizag**, the CoE stands as a pivotal resource for entrepreneurs navigating the realm of emerging technologies. Serving as a hub of support, it has nurtured numerous startups across various sectors. Establishing itself as a frontrunner in the realm of innovation, the **MeitY CoE has established following key strengths and differentiators:**

- Pan India Deep Tech startup growth enablement
- Largest industry network for co-creation
- Showcase India innovation story globally

CoE organizes influential events, workshops, and conferences, uniting industry trailblazers, entrepreneurs, and investors alike. These endeavours serve as catalysts for vital discussions while fostering invaluable opportunities for partnerships, knowledge dissemination and networking among participants.

### Key Achievements of CoE in the First Phase

- Labs operating at close to full occupancy.
- Building robust industry connections, encompassing over thousand enterprises including SMEs.
- Showcase for International visitors for technological innovations from India.
- Pioneering thought leadership in technology applications, hosting over 300 events & workshops.
- Societal impact initiatives like Jan care to demonstrate digital technologies for public good.

After completion of 5 years (i.e. 2019-2024), Nasscom signed an MoU with Gujarat Informatics Limited, Department of Science and Technology, Govt. of Gujarat for setting up AI Center of Excellence at GIFT City, Gandhinagar. The AI CoE aims to work on sector-specific AI use case development, pilot projects, facilitation of training on AI for Govt. officials, secure data exchange, and adoption of AI models across government departments, private sectors, ensuring comprehensive

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<sup>1</sup> Co-creation is a collaborative approach where various stakeholders including enterprises, startups, government, communities, and individuals work together to discover, design, develop and deploy innovative solutions to complex problems using smart technology

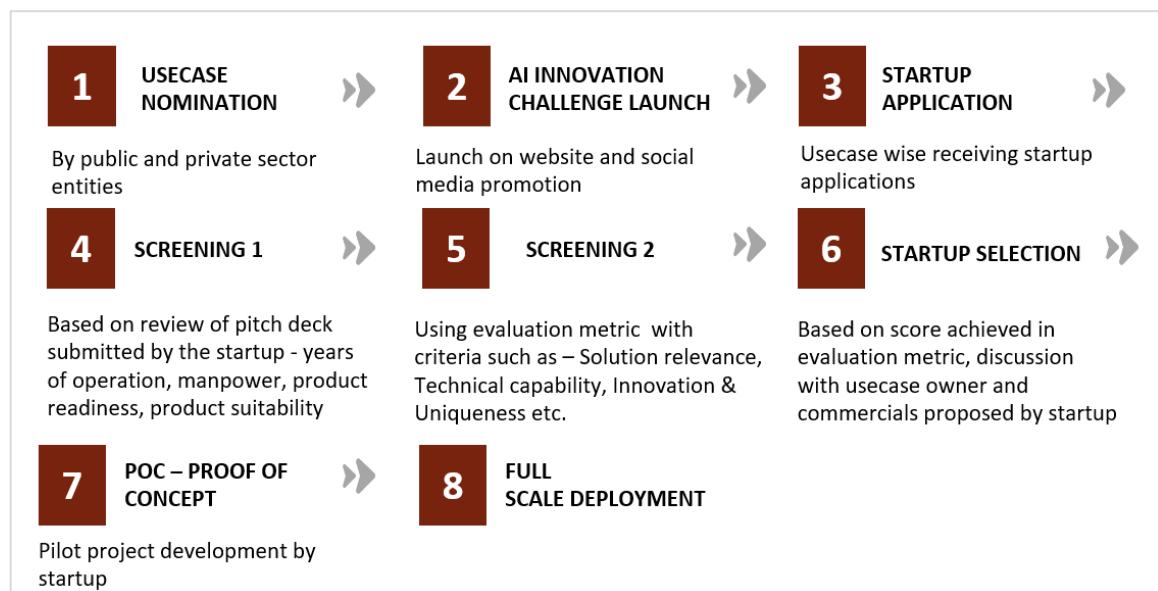
and integrated AI solutions. The AI CoE was inaugurated by Hon'ble Chief Minister of Gujarat on 27<sup>th</sup> January 2025.

## 1. AI Innovation Challenge and Use cases

Along with the inauguration of AI CoE, the Hon'ble Chief Minister of Gujarat also launched the AI Innovation Challenge (AI-IC) to connect India's leading AI and deep-tech startups with real-world challenges from public and private sectors. The challenge provides a unique opportunity to showcase their cutting-edge solutions, collaborate with key stakeholders, and create meaningful impact in areas such as agriculture, healthcare, manufacturing, governance, and beyond.

By focusing on structured collaboration and outcome-focused innovation, AI-IC is creating conditions necessary for scalable AI adoption. For government, it enables more responsive governance. For industry, it offers a competitive edge through smarter operations. For startups, it becomes a proving ground with direct access to implementation opportunities.

Process Flow of AI Innovation Challenge:



This platform is promoted by AI CoE, DST and GIL through banners on website and social media, encouraging startups to apply with their innovation solutions to the use cases.

The applications from startups are further reviewed for selection of startups to provide solutions to the use cases and do the PoCs. The figure below shows website of AI Innovation Challenge platform. For more information refer: <https://gujarat.coe-iot.com/ai-coe-ai-innovation-challenge/>.

**Below is the selection criteria for the startups:**

Evaluation Parameter	Description	Evaluation Method / KPI	Weightage (Indicative)
<b>Solution Relevance</b>	Alignment of the proposed solution with the specific use case challenge	Clarity and precision of the approach; relevance to use case objectives	20%
<b>Technical Capability</b>	Depth of AI/ ML stack used, model architecture, dataset understanding, algorithmic efficiency	Evaluation of submitted technical documents, model design, and innovation	20%
<b>Past Experience</b>	Prior work in similar domains	Case studies, portfolio, proof of execution, past PoCs	15%
<b>Innovation &amp; Uniqueness</b>	Novelty of the proposed approach, use of open source/ hybrid methods	Scoring based on innovation benchmarks (as defined in challenge)	15%
<b>Scalability Potential</b>	Whether the solution can be scaled up for real-time use in government systems	Architecture readiness, concurrent user handling, system design	10%
<b>Implementation Readiness</b>	existing prototype/ demo availability	Prototype/ demo video or live showcase of solution	10%
<b>Security &amp; Privacy Compliance</b>	Ability to comply with data handling, privacy standards	Declaration and architecture review (data security measures)	5%
<b>Cost &amp; Timeline Estimation</b>	Realistic proposal for PoC within cost and timeline	Submission of a budget and milestone-based schedule	5%

**Eligibility Criteria of Startups for AI Innovation Challenge is as follows:**

Innovators and Mature Startups across the Nation, having Deep-tech capabilities and Market-ready Digital Solutions

- Should have an annual turnover not exceeding Rs. 25 crore
- Period of existence should not be exceeding 10 years from the Date of Incorporation
- Should have the total manpower not more than 100 employees

**AI Innovation Challenge & Use-cases in Progress:**

Sr. No	Use case title	Nominated by	Brief Description	Sector

1	Detection of illegal Encroachment	Development Commissioner office, Gandhinagar	<p>Develop an AI-driven solution to automate encroachment detection on public or private land using image analytics. The solution aims to reduce manual efforts, improve detection accuracy, and provide a user-friendly dashboard for visualization. Targeted for urban development and municipal authorities, it should handle large-scale datasets efficiently while adhering to data privacy, achieving &gt;95% accuracy on test datasets</p>	Government
2	Visitor Tracing using Facial Recognition	GIL & DIT	<p>Design a secure facial recognition system for real-time visitor authentication and tracking in high-profile government buildings like Sachivalay. The solution aims to enhance security, streamline visitor management, and achieve 99% accuracy in identification. It must handle high visitor volumes securely while complying with data protection laws and delivering real-time analytics for administrative and security teams.</p>	Government

3	Bilingual OCR for English & Gujarati	GIL & DIT	<p>Develop a bi-lingual OCR system to accurately extract text in English and Gujarati from scanned documents and images, supporting diverse fonts and formats. The solution targets government departments, businesses, and academic institutions, aiming to digitize the process, reduce manual transcription efforts, and improve data accessibility. It must achieve &gt;95% accuracy, handle low-quality scans and handwritten text, and comply with regional data privacy standards.</p>	Government
4	Document Identification & Recognition	GIL & DIT	<p>Develop an AI-driven solution to automatically identify, classify, and recognize document types like invoices, ID cards, and certificates while extracting key metadata fields. Targeting government agencies, banks, and businesses, the system aims to improve workflow efficiency with &gt;90% accuracy. It must handle noisy, unstructured documents securely and comply with data privacy standards, significantly reducing manual processing efforts.</p>	Government

5	AI based emergency call analytics	Home Dept.	<p>The use case focuses on leveraging AI to identify fake calls made to Emergency Response Support System (ERSS) 112. By analyzing call recordings and extracting Call Data Records (CDR), AI-powered speech recognition detects specific keywords, patterns, or anomalies in spoken words that may indicate a hoax. The system flags such calls in real-time and alerts authorities to prioritize genuine emergencies, improving response efficiency and reducing operational strain on emergency services.</p>	Government
6	Integrated CCTV surveillance with Facial Recognition Systems	Home Dept.	<p>The use case focus on a solution that integrates CCTV surveillance with Facial Recognition Systems (FRS) to enhance the identification of inmates, staff, and visitors using body-worn cameras. This system aims to improve security by enabling real-time monitoring and reducing the risk of unauthorized access. By leveraging FRS, the solution would address challenges like manual verification, delayed threat detection, and operational inefficiencies, creating a safer and more controlled environment.</p>	Government

7	<p><b>Surgical Planning for Head &amp; Neck Cancer</b></p>	<p>Max Healthcare</p>	<p>Surgery for head and neck cancers poses significant challenges due to the proximity of critical structures. While clinical examination and radiological imaging provide valuable insights into the surgical landscape, unexpected complexities often arise during the procedure. By integrating AI-powered analysis of pre-operative imaging with immersive simulations of intra-operative conditions, surgeons can visualize surgical planes in relation to adjacent structures with enhanced accuracy. This approach not only improves pre-operative preparation but also reduces intra-operative uncertainties, leading to better outcomes. Additionally, this solution enables a training platform for surgical trainees, enabling them to practice and navigate challenging surgical scenarios in a controlled, risk-free environment.</p>	<p><b>Health tech</b></p>
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8	<p><b>Digitization of Legacy Medical documents</b></p>	<p>Rajiv Gandhi Cancer Research Institute</p>	<p>Transforming legacy medical records into digital assets is often hampered by their non-digital format, complexity, and sensitive nature. Traditional manual processes are slow, error-prone, and resource-intensive. This can be overcome by an AI-led solution that enables automated extraction, classification, and digitization of medical documents with unparalleled accuracy and speed. The solution needs to have stringent privacy and security frameworks, ensuring the compliance with regulations, safeguarding patient confidentiality. The solution enhances operational efficiency, reduces costs, and ensures the long-term accessibility and integrity of critical medical data.</p>	<p><b>Health tech</b></p>
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9	AI based predictive maintenance of EV Charging Stations	Charge Zone	<p>Develop an AI-driven predictive maintenance solution for EV charge point operators to transition from reactive to proactive maintenance practices. By analyzing real-time data from OCPP notifications, historical maintenance logs, and environmental factors, the system will predict potential failures, optimize maintenance schedules, and assign priority levels based on customer impact. It will include an AI-based alert system, actionable insights for technicians, and a centralized dashboard for monitoring charger health and maintenance efficiency, reducing downtime and improving operational efficiency.</p>	Manufacturing & EV
10	Employee Productivity using Chatbot Assistance	Tata Capital	<p>Develop a GenAI-enabled chatbot to assist employees with a wide range of tasks, from content writing, document summarization, and email drafting to HR queries and customer service support. Designed for versatility, the chatbot facilitates learning and development, compliance, team collaboration, and automation of repetitive tasks. It will provide personalized assistance, streamline workflows, and enhance productivity while allowing for seamless integration of additional use cases in the future.</p>	NBFC

11	Object Identification and Tagging	Urban Development Department	<p>Government departments face challenges in manually analyzing visual data, leading to inefficiencies and inaccuracies. This AI-based solution automates object identification and tagging in images and videos, enhancing accuracy and reducing manual effort.</p> <p>Utilizing deep learning techniques like CNNs and transformers, the model supports real-time processing and large datasets. Applications include surveillance, infrastructure monitoring, and public safety.</p> <p>Deliverables include an AI model, documentation, and a demo. The solution improves decision-making, boosts efficiency, and sets a benchmark for innovation with hybrid AI approaches, ensuring scalable and accurate object recognition across various domains.</p>	Government
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12	Trend, Seasonality, and Anomaly Detection	Statistics Department	<p>Government departments rely on structured and time-series data for decision-making, yet identifying trends, seasonality, and anomalies manually is inefficient and error-prone. This AI-powered solution automates data analysis to uncover hidden patterns, detect anomalies, and enhance forecasting accuracy. Using advanced AI/ML techniques such as LSTM, ARIMA, and ensemble learning, the model ensures real-time insights via a dashboard. The solution supports large datasets, missing values, and diverse data types while adhering to security regulations. By improving operational efficiency and resource allocation, this innovation drives data-driven policymaking, ensuring timely trend detection for better governance and strategic planning.</p>	Government
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13	<p><b>Enhancing customer service using AI technology</b></p>	<p>Schneider electric</p>	<p>Our customer care agents manage numerous inquiries every day, ranging from simple questions to intricate issues, which require them to navigate various tools and coordinate with multiple teams, resulting in time-consuming processes and delays. We seek to implement agentic AI technology to automate this workflow, aiming to streamline information retrieval and communication, thus enabling our care agents to deliver prompt and accurate responses. It is crucial that this AI incorporates necessary checkpoints to ensure the reliability of the information conveyed to our customers, integrates seamlessly with existing tools, automates data extraction and analysis from emails, efficiently routes queries to relevant departments, provides real-time updates for agents, and maintains a user-friendly interface for both agents and customers. By achieving these objectives, we are poised to enhance our customer service operations, reduce response times, and significantly improve the overall customer experience.</p>	<p>Energy Management &amp; Automation</p>
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14	AI based Video Analytics & Pattern Identification	Pharma Manufacturer	<p>We are looking for a Vision-Based Generative AI solution that utilizes advanced image analysis to provide real-time recommendations based on analytical reports. The solution should be capable of monitoring operator behavior in controlled environments, such as clean rooms, using ergonomic analysis to ensure compliance and efficiency. Additionally, it should detect and analyze anomalies like smoke patterns, providing real-time alerts and actionable insights. By integrating AI-driven image recognition with real-time reporting, the solution should enhance operational safety, process optimization, and regulatory adherence, ultimately improving decision-making and proactive intervention in industrial and high-precision environments.</p>	Pharmaceuticals
15	AI based part identification using image comparison	Epsilon Engineering (MSME)	<p>For the variety of parts that flow through the manufacturing process, instant identification solution is desired comparing the scanned form of the part preferably on mobile camera with the design stored images and thus prompting its updation in ERP at the particular process stage.</p>	Manufacturing

16	Yard and Gate Management	Transworld	<p>Container Freight Stations (CFS) handle high volume container movements, which is currently manually handled at all our locations.</p> <p>1. Tracking real-time container locations and vehicle movements becomes challenging. 2. The absence of real-time monitoring for yard space utilization can lead to suboptimal yard management and occasional congestion. 3. Management and utilization of equipment is also done manually. With an automated Gate and Yard Management Solution, we are looking forward to automated container handling, enhanced real-time visibility, improved resource allocation, and secure and compliant operations. The system should integrate with existing logistics infrastructure and provide actionable insights for better decision-making.</p>	Logistics
17	Automated Blueprint Evaluation	Town Planning & Valuation Department	<p>Develop an AI-based solution for CAD drawings that assists Town Planning and Validation Department (TPVD) in drafting, analyzing, and speedy finalization of Town Planning Schemes (TPS). The system should automate the evaluation of TPS to reduce manual review time, increase accuracy in decision-making, and enhance the efficiency of planning processes.</p>	G Government

18	<p><b>AI-Driven Wetland Intelligence &amp; Digital Platform for Nal Sarovar Bird Sanctuary (Ramsar Site)</b></p>	<p><b>Forest &amp; Environment Department</b></p>	<p>The project aims to build an AI-powered digital intelligence platform using multi-year ecological data collected from Nalsarovar Bird Sanctuary — a designated Ramsar site in Gujarat. Leveraging historical physico-chemical and biological data published by GEER Foundation, the solution will digitize, analyze, and visualize wetland parameters, provide trend analysis, and predict critical ecological indicators. The platform will serve as a scientific tool for informed decision-making, policy design, and resource optimization in wetland management.</p>	<p><b>Government</b></p>
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19	Material Tracking and Waste management	Tech Weaves	<p>Design and implement a smart digital solution for the technical textiles industry that ensures real-time traceability of materials across all production stages, automates the monitoring of GSM (grams per square meter) to maintain consistent fabric quality, and minimizes production losses due to overfeeding, trimming, and quality rejections. The solution should also reduce human dependency by digitizing data capture for weighing, quality checks, and batch labeling—thereby improving compliance, reducing errors, and enabling data-driven decision-making to enhance overall operational efficiency.</p>	Textiles
20	Computer Vision Solution for Quality Check	Oriental Works	<p>Need an inspection station for Anchorage sets (pictures attached). They come in standard configurations based on the number of holes. Two tests need to be performed: depth measurement with a probe or a gauge and a visual inspection using a camera for surface finish. An x,y,z coordinate moving probe or gauge may be needed in addition to the camera. We can define positioners on a table for repeat location.</p>	Manufacturing

21	AI Powered Theft Detection in Electricity Distribution Network	GUVNL	<p>Electricity theft remains a persistent challenge in the power sector, leading to substantial commercial losses, unstable supply, and increased operational costs. Traditional theft detection relies heavily on manual audits, delayed billing reconciliations, and consumer complaints. These methods are reactive, slow, and often ineffective in identifying theft in real-time. The absence of a smart, automated, and scalable theft detection system prevents utility providers from proactively addressing theft hotspots, leading to unbilled consumption and significant revenue leakage.</p>	Government
22	AI-Powered Sentiment Analysis from Newspaper Publications	Information & Broadcasting Department	<p>The use case aims to develop an AI-powered sentiment analysis system that processes daily press clippings from multiple regional and national newspapers (Gujarati, Hindi, and English) and classifies the sentiments of news articles.</p>	Government

23	Robotic Process Automation	Transworld	<p>Container Freight Stations (CFS) currently rely on traditional systems and processes involving manual intervention and extensive paperwork. Operations include repetitive and mundane tasks to be done on a daily basis. These conventional methods often lead to inefficiencies, delays, and increased operational costs. With the growing demand for more efficient and streamlined operations in the logistics sector, there is a significant opportunity to leverage emerging technologies like Robotic Process Automation (RPA).</p>	Logistics
24	AI based Computer vision solution for the quality inspection of metal tubes	Siddhi Engineers	<p>Organization wants to find surface imperfections on inner diameter of the Aluminum tube where the inside diameter ranges from 10mm ID to 100mm ID. Initially, we can focus on range of 18mm ID to 30mm ID. Here the weight dots or surface scratches or pit marks, etc. kind of defects are observed on the inner surface of the tube. Pit marks are observed after anodizing where other marks need to be observed before anodizing. The tubes normally are in length of 1000mm or more and the tubes are of Round, Rectangular or other hollow shapes. The tubes can be in straight condition most of the time, but we have bend Rectangular Tube also.</p>	Manufacturing

25	AI Compliance Agent	Tata AIA	<p>Data retention management system:- Looking for Data retention management solution which should be capable of defining and implementing policies for storing, organizing, and disposing of an organization's data (Digital and Non-Digital data, Data could be Policy level data, agent/customer level data, employees etc.suring compliance, optimizing storage, and mitigating risks either by Deletion or masking of the data as per the guidelines. It includes classifying data, setting retention periods, automating processes, and regularly auditing compliance. We expect the solution to work unsupervised with no or minimal manual intervention.</p>	Insurance
26	AI Voice Agent in Arabic	Sutherland Global	<p>AI Bot Solution in Call Centre that should converse in Arabic Language, understand the requirement of the end users, and then give back the results to the end user in real-time.</p>	BPO

27	Quality Audit of AI Voice Bot	NBFC	<p>We need an automated QA solution for GenAI voice bots that can (1) perform live quality checks on accuracy, compliance, and governance, (2) enable automated QA during the development stage, and (3) compare bot outputs across versions to ensure targeted training improves performance without negatively impacting other functions. This will help maintain reliability, compliance, and overall voice bot effectiveness.</p>	NBFC
28	Identification of coating error in white polymer – AI based quality inspection	Reciclar Technology - MSME	<p>The company is facing challenges in identifying coated and non-coated hollow fiber membranes made of PVDF material. It is seeking an AI-based solution for visual inspection to distinguish between the coated and non-coated parts of the hollow fiber membranes. These hollow fiber-based membrane modules are used for solid-liquid separation in wastewater treatment.</p>	Wastewater & Water Tech
29	AI based solution for quality inspection of bearing rings	Tatvamasi Engineering – MSME	<p>The company is a component manufacturer catering to the aerospace industry. It is facing challenges in conducting the inspection process for these rings, which are very large and heavy. The company is seeking an AI-based solution for the visual inspection of toothed ring gear blanks and the automated generation of inspection reports comprising 33 parameters.</p>	Manufacturing

### 1. Grow X Acceleration Program for Deep Tech Startups

GrowX is an acceleration program that CoE runs to accelerate the deep tech startups. Under the program, CoE provides various benefits such as Computing Infrastructure, Co-Working Space, AI Experience Zone, GTM Support, Funding Support, Mentorship and Solution Showcase Opportunities.

CoE also conducted Innovation masterclasses for the startups to educate themselves on various subjects such as Intellectual Property Rights, Investment Funding, Cloud Computing etc.

CoE is also building a panel of mentors who can guide the startups on their growth journeys on topics such as product market fit, design validation, fund raising, valuation, market reach etc. The details of mentors will be hosted on CoE website for startups to request for session with mentor which will be further facilitated by CoE.

**1. List of Startups incubated at AI CoE and brief description of Solution**

<b>Sr. No</b>	<b>Name of Startup</b>	<b>Brief Description of Solution</b>
1	Atomo Innovation	Indigenous, AI-powered edge computing hardware built for real-time industrial automation. Low power, scalable, interoperable, and made for harsh industrial environments.
2	Bigdatamatica Solutions	An AI driven multi-agent platform to automate support, streamline search, and enable faster, cost-effective decision making.
3	BioLex Advisory	Catalyst for genome-edited agri-tech, bridging science, policy, and law for responsible innovation.
4	Bipolar Factory	AI-powered video intelligence that transforms CCTV networks into real-time, actionable insight platforms
5	CogniFirst Technologies	A proprietary no-code Enterprise AI platform that helps enterprises and governments extract insights and automate document workflows from unstructured documents—reducing costs & improving compliance.
6	DocYantra	AI-powered healthcare tools that enhance clinical decisions, ease admin load, and improve access to equitable care.
7	HanuAI	An AI-powered road digitization platform for real-time defect detection and smarter infrastructure decision-making.
8	Ignited Wings Technologies (AI LifeBOT)	Voice-first Agentic AI platform that automates workflows and improves decision-making for enterprises and government.
9	iQud	An AI voice assistant platform that automates patient calls and scheduling to streamline healthcare operations.
10	Karma AI	AI-powered legal assistant built for Police, Prisons, and Prosecutors to automate drafting, research, and casework
11	Lambodaray AiTech	An AI & IoT platform delivering real-time operational intelligence for manufacturing, utilities, and smart infrastructure.
12	Quantian Technologies	An AI-powered platform for managing remote and distributed workforce with real-time tracking, automation, and productivity insights.
13	Sorted (Settlesense)	An AI-powered dispute resolution platform delivering fast, affordable, and enforceable outcomes with legal intelligence.

<b>Sr. No</b>	<b>Name of Startup</b>	<b>Brief Description of Solution</b>
14	Sydorg Technologies	AI-powered air traffic and weather intelligence platform for safer, smarter, and sustainable aviation management.
15	UdyogYantra.AI	An AI-powered platform to digitize and optimize food production and distribution with industrial precision.
16	Upjao Agrotech	AI-powered Grain Quality Assessment for fairer Agri-trade.
17	YogiFi Smart Yoga Mats	Smart yoga mat combining AI-driven posture tracking and personalized guidance for structured practice at home
18	Lemtoj Infotech	Specialize in custom software development, web and mobile app solutions, and digital transformation services tailored to client needs.

### **1. Experience Zone and Delegation Visits**

CoE has developed an AI Experience Zone housing cutting edge AI solutions made by deep tech startups. The zone is used to make industries, govt. officials, MSMEs etc. stakeholders aware about real world applications of AI in different sectors such as Healthcare, Manufacturing, Agriculture, Safety etc.

1. Solutions put at the Experience zone and brief description

<b>Sr. No</b>	<b>Name of Startup</b>	<b>Brief Description of Solution</b>
1	Orangewood Labs	Orangewood Labs is creating advanced made in India robots that can sense and understand their surroundings. These robots are used in various fields like healthcare and manufacturing. They can perform tasks that require high precision, such as assembling small parts, identifying objects, and working alongside humans. This solution helps reduce errors, improve efficiency and perform repetitive tasks effortlessly.
2	Zbox	Zbox is developing smart technology that uses cameras and artificial intelligence to find flaws or defects in products quickly and accurately. This technology is mainly used in manufacturing and agriculture to ensure products are of high quality and to reduce mistakes made by humans. Essentially, Zbox's system helps make sure that everything produced is up to standard by automatically checking for any issues.
3	Forus healthcare	Forus Healthcare is creating a portable device that uses artificial intelligence to detect eye diseases like diabetic retinopathy, cataracts, and glaucoma with high accuracy. This device can be used in remote and underserved areas, making it easier to diagnose and treat eye conditions early, even in places where medical facilities are not easily accessible. Their technology helps ensure that people get timely treatment, improving their chances of better eye health.
4	Daten N Wissen	Daten N Wissen is developing smart video technology that uses artificial intelligence to monitor and analyse different situations automatically. This technology can recognize car number plates, detect fires, measure how crowded a place is, and check if people are wearing safety gear. By providing real-time information, it helps improve safety and efficiency in various industries, making everyday operations smoother and more secure.
5	Alveofit	Alveofit is creating a handy device that measures how well your lungs are working. It gives quick and accurate digital readings, helping doctors detect respiratory issues early. The device is easy to use and can be used in clinics, hospitals, and even remote areas, making lung health monitoring and screening, accessible to everyone.

<b>Sr. No</b>	<b>Name of Startup</b>	<b>Brief Description of Solution</b>
6	Medprime	Medprime is creating a digital microscope that takes high-quality images of microscope slides. This device makes it easy to add notes to the images and share them with others for collaboration or education. It's compact and efficient, improving accuracy and accessibility in research, diagnostics, and training. This technology represents the future of microscopy, making it easier for people to work together and learn from slide images.
7	Plutomen	Plutomen is developing an AR/VR-based solution that helps frontline workers by providing advanced tools for their tasks. Using immersive technologies, it improves their skills, boosts efficiency, and aids in making better decisions in real-time. This innovative solution is changing the way frontline workers learn, work, and excel in dynamic environments, especially in manufacturing.
8	Exposit	Exposit is developing an AR/VR-based training solution that creates realistic and interactive simulations. This technology helps people learn and understand complex concepts better by allowing them to practice in safe, and controlled environments. This solution is used in various fields like education, manufacturing, and healthcare to improve skill-building and prepare trainees for real-world challenges.
9	Autobit	Autobit is creating a smart system that uses the Internet of Things (IoT) to monitor machines in real-time. This technology tracks important machine data, helps spot performance problems, optimizes operations, and prevents downtime by providing useful insights. It's designed to improve efficiency in industries, showing how IoT is changing the way industrial processes and maintenance are done.
10	Factri AI	Factri AI is developing a digital system that helps industries monitor their shop floor activities in real-time. By collecting and analysing important data, this system boosts productivity, streamlines operations, and aids in making informed decisions. Essentially, Factri AI's solution uses digital technology to optimize manufacturing processes and improve overall efficiency.

Sr. No	Name of Startup	Brief Description of Solution
11	Jivi	Jivi is creating an AI-powered platform that makes it easier for patients to interact with healthcare services. By using conversational AI, Jivi improves patient engagement and makes healthcare services more accessible, efficient, and personalized. Jivi can provide
12	Upjao	A smart system that uses artificial intelligence to quickly and accurately check the quality of grains. This technology can find defects, measure important grain characteristics, and ensure they meet quality standards. By automating the inspection process, Upjao's solution improves efficiency, reduces human errors, and helps make better decisions in the agriculture and food industries. This solution can help farmers in getting right price for their crop.
13	NUverse	NUverse is creating a compact and efficient interface compatible with your mobile phones, that monitors important health parameters like heart rate, blood pressure, and oxygen levels in real-time. This technology helps quickly assess vital signs and detect health issues early, improving healthcare delivery both in clinics and remote areas.
14	LarkAI	LarkAI is developing advanced AI technology to quickly and accurately diagnose cardiovascular diseases. Their system provides real-time analysis and early detection, making it easier to identify health issues before they become serious. This technology helps improve healthcare by offering fast, non-invasive screenings, ensuring people get timely and effective treatment.

The delegations hosted by AI CoE included Govt. officials, foreign delegations, Industry Associations, Academia, Research Institutions etc. The delegations were made aware about key functions of AI CoE, initiatives bring driven by CoE and applications of AI in various sectors through demos at experience zone.

### 1. Industry digitalization

AI CoE makes significant efforts to digitalize the MSMEs with Industry 4.0 and smart manufacturing solutions. For ex. IoT for Machine monitoring, AI for Quality inspection, QR code-based track and trace of inventory etc. To scale up this effort, CoE partnered with Quality Council of India and conducted workshops in 12 different Industrial Clusters of Smart Solutions for MSMEs and created awareness as a part of **Gujarat Gunvatta**

**Yatra.** In addition, CoE also conducted workshops in collaboration with Industry Associations and bodies such as National Productivity Council, GCCI, GSPMA, SGCCI etc.

CoE educated over thousand MSMEs on adoption of smart solutions. Interested MSMEs are being provided further support by understanding their problems and connecting them with the startups who provide the solutions.

CoE also conducted an event namely **AI for CXOs** for AI adoption with large industries and MSMEs by inviting senior industry leaders (mainly CXOs. The discussions covered AI CoE's functions, programs, use cases, and partnership opportunities, along with roundtable dialogues on AI adoption challenges and solutions for both Tech CXOs and Non-Tech Functional Heads.

## 2. Seminar for Govt. of Gujarat

CoE conducted training for Govt. officials on AI and its applications in Governance and Public Services. The trainings included customised sessions for the officials from Administration and Technical Functions.

## 3. Success stories

AI CoE facilitated digital adoption of the AI powered solution for the grain quality inspection. The details are as follows:

**Problem statement** - Grain quality evaluation relies on manual and subjective inspection, often leading to inconsistent results, lack of transparency, and unfair pricing for farmers especially at local marketplace.

**Solution:** AI-based grain quality assessment system was introduced, capable of evaluating over ten physical parameters of grains i.e. broken grains, foreign materials etc. within 30 seconds using computer vision.

**Impact:** Deployed at APMCs in Kheda and Anand in Gujarat, it enables scientific, data-driven decision-making at the grassroots level. The solution has empowered over 1,000 farmers and facilitated grain trade worth ₹700+ crore, ensuring fair pricing and reducing losses from rejections. For more information, please refer to - [https://youtu.be/R\\_zBiva1a8?si=z4YhCnsNVKYP5Rpv](https://youtu.be/R_zBiva1a8?si=z4YhCnsNVKYP5Rpv)

## **IT/ ITeS Policy Govt. of Gujarat**

### **Incentives for ICT & Deep Tech Startup**

- A. Assistance in R&D, Prototype Creation and Product Development- one time support of 25% up to INR 25 Lakhs for their total expenses incurred on R&D, creating prototypes, and developing the product. This assistance will be reimbursed upon submission of their first sales invoice.
- B. Patent Assistance @ 75% of cost of obtaining patent subject to ceiling of INR 5 lakhs per patent for domestic patent and INR 10 lakhs per patent for international patent. Eligible ICT & deep tech startup can submit claims for a maximum of 10 patents per year for five years. The Government fees and the professional fees shall be considered for computing assistance. The assistance will be in the nature of reimbursement.
- C. Quality certification @ 50% subvention on the expenses incurred for a maximum of three quality certifications up to a maximum of INR 5 Lakhs per certificate.
- D. Facilitating shared infrastructure: The eligible ICT & deep tech startup working in deep tech subsector as defined in section 2.5.3 (A) will receive a one-time support of 35% of the internet (bandwidth) cost and cloud cost for procuring cloud platform through a private cloud service provider for 6 months up to INR 10 Lakhs for non-incubated ICT & deep tech startup and INR 7.5 Lakhs for incubated ICT & deep tech startup once during the operative period of the policy.
- E. Lease Rental Support: An eligible ICT & deep tech startup can claim expenditure incurred on lease rental of office space at a property rented from a third party for a period of five years, up to a maximum monthly rental of INR 25/sq. ft. of built-up area or actual lease rental expenditure, whichever is lower. The units running their operations in non-empanelled co-working spaces are eligible to claim a maximum of up to 15 per cent of the per seat monthly rental expense or INR 1250/- per seat per month, whichever is lower.
- F. Special Incentives: An eligible ICT & deep tech startup can claim special incentives as defined under section 2.7.2. For more information refer to [https://dst.gujarat.gov.in/  
Home/gjstateititespolicy](https://dst.gujarat.gov.in/Home/gjstateititespolicy)