Emerging Digital Technologies

20 July 2022
Emerging Technologies at glance

- Internet of Things (IoT)
- Artificial Intelligence
- Blockchain (Distributed Ledger)
- Big Data Analytics
- Voice Recognition & Speech Translation
- Drones
- Robotics
- Virtual Reality (VR), Augmented Reality (AR) & Extended Reality (ER)
- Advanced Geo-Spatial Technology
Potential of ET for Global Economy

• AI can contribute up to $15.7 trillion to the global economy in 2030,
  • Of this, $6.6 trillion likely to come from increased productivity and
    $9.1 trillion likely to come from consumption-side effects
  
  Source: PwC’s report Global Artificial Intelligence Study: Sizing the prize

• Blockchain technologies can boost the global economy US$1.76 trillion by 2030 through raising levels of tracking, tracing and trust.

  Source: PwC report Time for trust: The trillion-dollar reason to rethink blockchain

• Integrated adoption of Data and AI can add up-to $500 Billion to India’s GDP by 2025-26.

  Source: NASSCOM’s report ‘Unlock Value from Data and AI: The India Opportunity’
ET Initiatives – National Strategies / Policies
ET Initiatives – MeitY Startup Hub

#MeitYStartupHub

Innovate, Connect, Collaborate...
Let’s make technology transform and integrate

- 3112 STARTUPS
- 467 INCUBATORS
- 409 MENTORS
- 22 CENTRES OF EXCELLENCE
- 118 CHALLENGES
ET Initiatives – Digital India Dialogues
ET Initiatives – National AI Portal

Libratus - A poker playing AI capable of defeating world-class players
ET Initiatives – Centres of Excellence

Centre of Excellence in Artificial Intelligence

COEAI - Projects and PoCs

- Swachh Bharat Mission Urban - SwachhAI
- Lower Judiciary Case Search
- VANI-Virtual Assistance by NIC
- Satyapikaman API- Face Verification
- Power Sector - Trend Forecasting PoC
- Cross Domain Analysis-Name Similarity Search
ET Procurement – Government e-Marketplace

Startup Runway 2.0

Startup Runway 2.0 is an opportunity for Startups to showcase their innovative products and services to Government buyers and engage in public procurement. GeM has created a dedicated marketplace category for all Startups to list their products and services, irrespective of their DPIIT-certification. Startups can list multiple products and services with minimal technical specifications and sell their products to Govt buyers under 13 globally recognized Startup sub-sectors, namely: Advanced Manufacturing and Robotics, Advertising [AdTech], Agriculture [AgTech and New Foods], Artificial Intelligence, Big Data and Analytics, Augmented/ Virtual Reality, Blockchain, Clean Tech/ Renewables, Consumer Home Electronics [Wearables, Smart Devices], Cybersecurity, Education Tech [EdTech], Fintech, Health and Life Sciences and WaterTech.
ET Products and Services

March 2020

Corona Related Informational Services

January 2021

C+WIN
Winning Over Covid-19

Corona Related Transactional Services (Appointment Booking, Certificate Download)

January 2022

Most sought documents (9 – Aadhaar, PAN, DL, X-XII Marksheet, Insurance Policy etc)
AI enabled conversational bots (text + voice)
Drone based services

Use cases

# Aerial Survey
# Pest Management
# Fertilisers Disbursal
# Medicine delivery

India's biggest Drone Festival - Bharat Drone Mahotsav held in New Delhi on 27-28 May 2022
1600 Delegates and 70 exhibitors participated
Advanced Geo-Spatial Technologies

- GIS Platform developed
- Developed in-house using open-source software
- 1:5000 scale base map
- 750+ GIS layers
- User can plot the assets and features on their own

580+ Applications from Central & States - Operational

Central GIS Projects

- Government Land Information System
- Mining Surveillance System
- Industrial Information System
- Rural Electrification System

State GIS Projects

- Telangana
- Nagaland
- Uttar Pradesh
- Haryana

On-boarded 29 Central Ministries
On-boarded 19 States and UTs
THANK YOU