



SMART DUBAI

INSPIRING NEW
REALITIES



SMART DUBAI 2014 - 2017

2016

Smart Dubai & board formation

2013

Smart Government

2000

E-Gov

2014

Smart Dubai Initiative

2021

Smart Dubai 2021



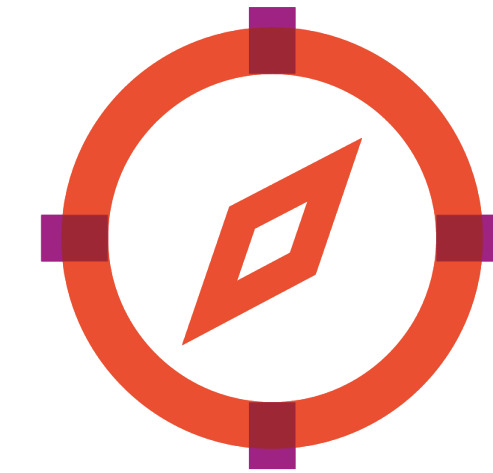
Smart Dubai is transforming city-wide experiences to inspire new realities, with an aim of achieving a happier life for all.



SMART GOVERNANCE
& PLANNING



SEAMLESS EXPERIENCES &
TECHNOLOGY EFFICIENCY



ECOSYSTEM ENABLEMENT

We deliver smart governance and planning,
seamless experiences and efficient technology
and enabling ecosystems for happiness



SMART GOVERNANCE &
PLANNING

SEAMLESS EXPERIENCES &
TECHNOLOGY EFFICIENCY

ECOSYSTEM
ENABLEMENT



LIVING

Smart liveable & resilient city



GOVERNANCE

Digital, connected, lean
government



ENVIRONMENT

Clean environment enabled by
cutting-edge ICT innovations



ECONOMY

Globally competitive economy
powered by disruptive
technologies



MOBILITY

Smooth transport driven by
autonomous & shared mobility
solutions



PEOPLE

Interconnected society with
easily accessible social services

Smart Dubai is pursuing strategic objectives
enabling the city's transformation in all sectors



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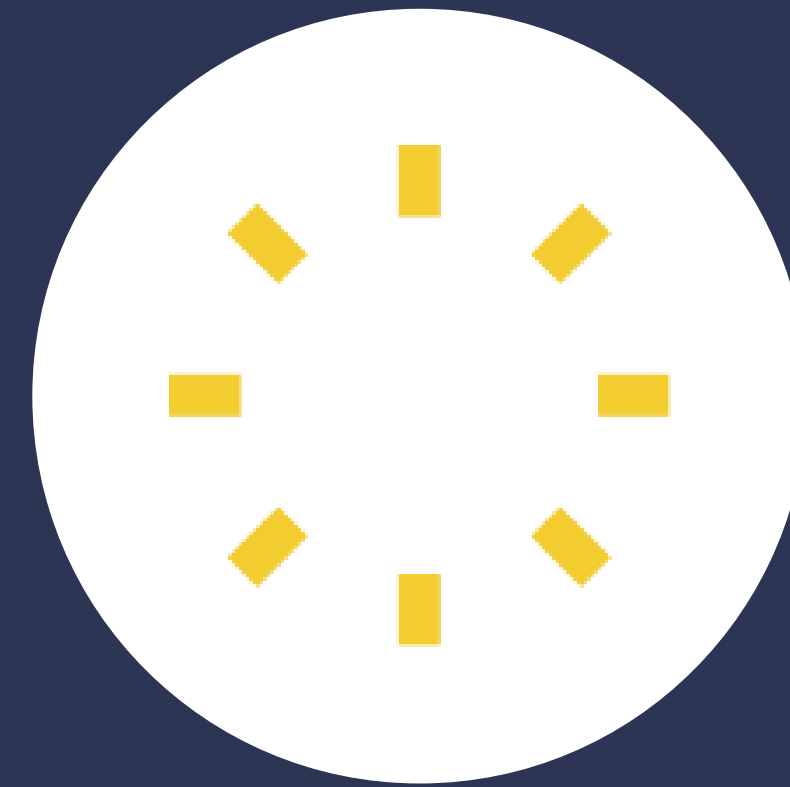
BLOCKCHAIN

Unlocking the power of Blockchain to open the future economy from Dubai



AI & RASHID

The city's virtual assistant kick starting our AI Strategy



DIGITAL ENABLING SERVICES

UAE Pass
DubaiPay



PAPERLESS

Delivering comprehensive digital solutions for the first paperless city by 2021



BUT WHAT IS THE
FUEL
TO THESE
TECHNOLOGIES?



SMART GOVERNANCE & PLANNING

SEAMLESS EXPERIENCES & TECHNOLOGY EFFICIENCY

ECOSYSTEM ENABLEMENT



DUBAI DATA



356


DESIGNATED MEMBERS



56

PARTICIPATING ENTITIES

Account
Inbound (27)
Outbound (13)
Request Management
History




Fatima
 Organisation: Dubai Data
 Job Title: Senior Project Manager
 DDE Role: Data Manager
 Account Created : 21 Mar 2016
 Datasets: Purchased (20)

[Upload Picture](#)

Email : muhammad.ali@dubaairports.ae

Password: ***** [Change Password](#)



دبي الذكية
SMART DUBAI

[Export](#)

My Current Status

16

Arbitration Request
(6 Months)

27

Inbound Request
(6 Months)

12

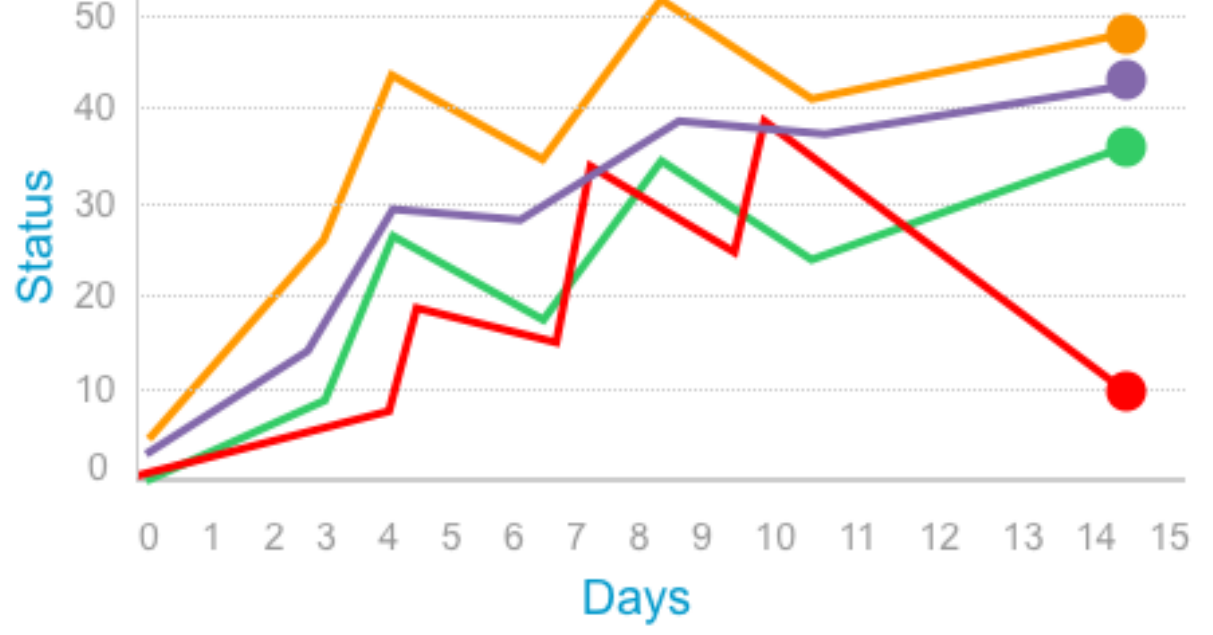
Outbound Request
(6 Months)

Current Age Distribution



Legend: Pending (Orange), Arbitration (Purple), Expired (Red)

Overall Data Request



Days

TOTAL	
Pending	47
Approved	38
Rejected	10
Arbitration	41



Legend: Pending (Orange), Approved (Green), Rejected (Red), Arbitration (Purple)



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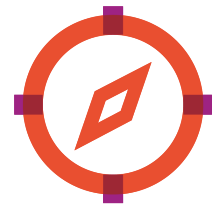
DATA IMPACT

Value of the impact Open & Shared Data will have on the economy of Dubai

**USD 2.8
Billion**

**ADDED TO THE
ECONOMY EVERY YEAR
FROM 2021**





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START-UP SUPPORT

Transforming Dubai into an innovation test-bed for the world.

GLOBAL BLOCKCHAIN CHALLENGE

200+

Applications received

17

Finalist teams from 17 cities

\$45,000

Awarded in prizes

SMART DUBAI ACCELERATOR

1000+

Applications received

\$5 million

Setup investment from 6 strategic partners

DUBAI FUTURE ACCELERATORS

120+

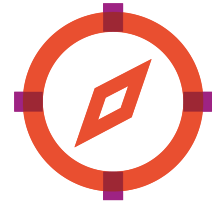
Startups participated

94

MOUs signed

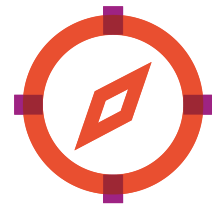
4

Cohorts completed



INTERNATIONAL PARTICIPATIONS & GLOBAL BODIES BENEFITS

- Reinforce Smart Dubai's position as a thought leader:
- Standardization - ITU SG20
- Knowledge creation - ITU FG DPM & U4SSC
- Smart Dubai case studies
 - U4SSC



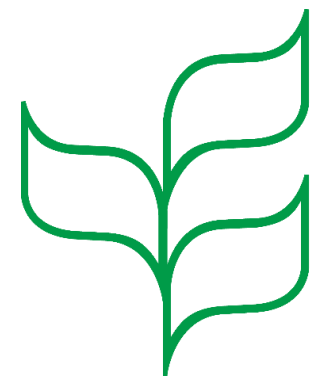
SMART GOVERNANCE & PLANNING

SEAMLESS EXPERIENCES & TECHNOLOGY EFFICIENCY

ECOSYSTEM ENABLEMENT



Partners of the U4SSC:



Convention on Biological Diversity



Food and Agriculture Organization of the United Nations



United Nations Economic Commission for Africa



United Nations Framework Convention on Climate Change

UN HABITAT
FOR A BETTER URBAN FUTURE



UNITED NATIONS

ECLAC



UN WOMEN



FINANCE INITIATIVE



UNECE



United Nations Educational, Scientific and Cultural Organization

Montevideo Office
Regional Bureau for Sciences in Latin America and the Caribbean



WORLD METEOROLOGICAL ORGANIZATION



UNITED NATIONS UNIVERSITY

UNU-EGOV

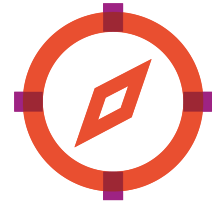
Operating Unit on Policy-Driven Electronic Governance



UN DP

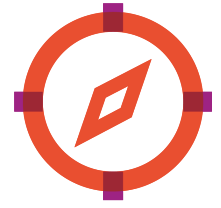
Empowered lives.
Resilient nations.

The only Smart Sustainable Cities UN initiative supported by all UN agencies



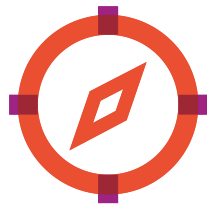
Scope & Work – Guidelines on Strategies for Circular Cities

- **Formulate a Circular City Strategic Framework**
- **Identify City Assets & Products (e.g. infrastructure, resources, products / services, etc.)**
- **Identify potential actions on City Assets & Products (e.g. recycling, refurbishing, reusing, replacing, sharing, digitizing, etc.)**
- **Determine a strategic prioritization approach (value versus ease of implementation)**
- **Determine implementation levers (e.g. policies, regulations, procurement, financial incentives, capability and awareness)**
- **Select and prepare representative case studies ~15 cases**
- **13 E-Meetings have been held since our kick-off in November 2017**

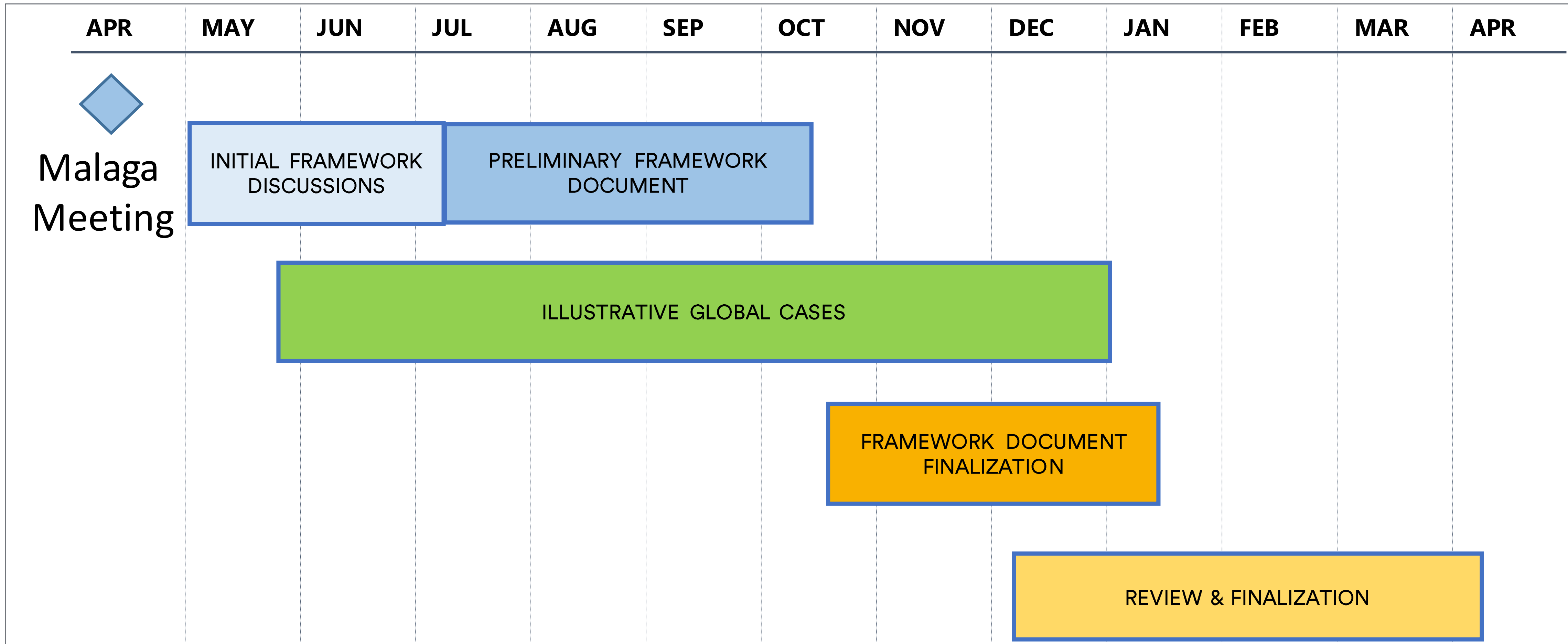
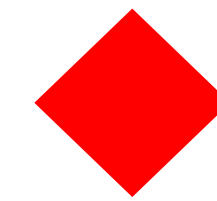


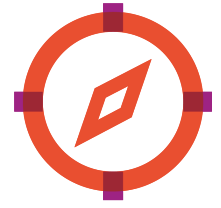
Scope & Work – City Science Application Framework

- **Formulate an Urban Problem Solving Framework**
 - Identify the problem
 - Model the problem
 - Solve the model (city science techniques)
 - Apply the model solution to the urban problem
 - Assess the impact (social, economic and environmental)
- Identify city science stakeholders
- Determine levers and mechanisms to boost city science application to urban problems (e.g. partnerships, policies, skills boosting)
- Select and prepare representative case studies ~10+ cases
- 8 E-Meetings have been held since our kick-off in November 2017



TIMELINE DIAGRAM 2018 - 2019





Scope & Work – Guiding Principles for AI in Cities

- **Identify potential uses of Artificial Intelligence (AI) in Smart Sustainable Cities (SSC)**
- **Leverage City Science Application Framework deliverable outcomes**
- **Determine regulatory, policy and ethical aspects of AI usage in SSC**
- **Design a suggested local and global ecosystem for enhancing AI usage in SSC**
- **Select and prepare representative case studies**

Soon to be Kicked-Off



THANK YOU

SMARTDUBAI.AE

@SMARTDUBAI



APPENDIX



SMART GOVERNANCE & PLANNING

SEAMLESS EXPERIENCES & TECHNOLOGY EFFICIENCY

ECOSYSTEM ENABLEMENT



BLOCKCHAIN

GOVERNMENT EFFICIENCY



INDUSTRY CREATION



INTERNATIONAL LEADERSHIP



Use Cases
Blockchain Platform
Blockchain Policy

Global Blockchain Challenge
Startup Accelerators

Global recognition
Events

20+

USE CASES



BUYING A PROPERTY
DEVELOPER USE CASE
MULTI-LISTING SERVICE



ELECTRIC VEHICLE CHARGING & REGISTRATION



PAYMENT RECONCILIATION AND SETTLEMENT



OBTAINING A COMMERCIAL LICENSE
THE BUSINESS LEDGER



TOURISM 2.0 - INDUSTRY MARKETPLACE



LICENSING MEDICAL INSTITUTIONS AND DOCTORS



RENTING A PROPERTY



UNIFIED ACADEMIA REGISTRY ON BLOCKCHAIN - STUDENTS ENROLLMENT IN SCHOOL





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ECOSYSTEM ENABLEMENT



AI ROADMAP & RASHID

The city's virtual assistant kickstarting our AI strategy

43 USE CASES IDENTIFIED

13 ENTITIES IMPACTED BY AI



TRANSPORT



HEALTH



TOURISM



TRAVEL



EDUCATION



REAL ESTATE



LOGISTICS



GOVERNMENT



RETAIL



SECURITY



راشد

rashid



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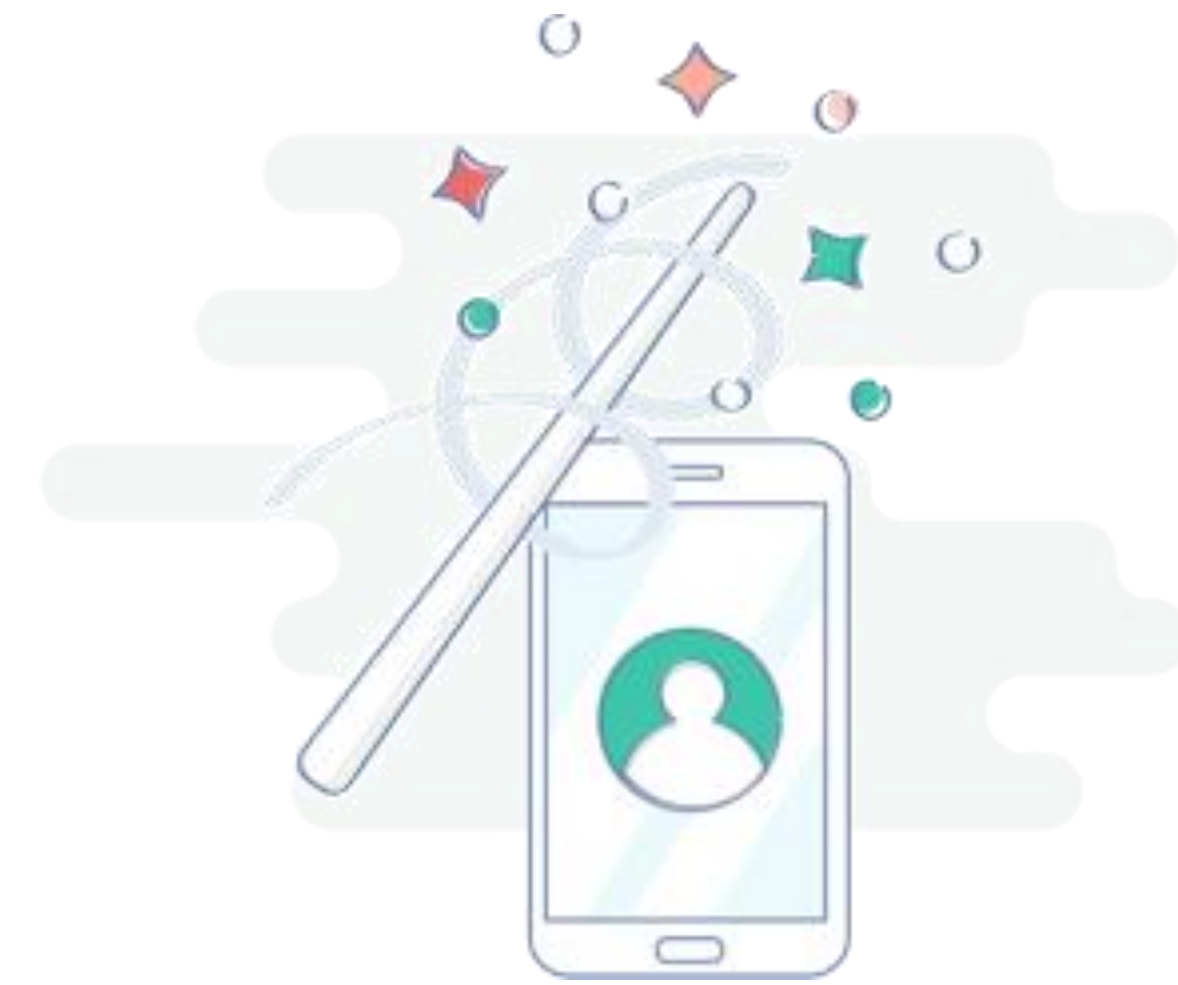


UAE PASS



الهوية الرقمية UAE PASS

“The First National
Digital Identity”



Single Mobile Identity



Digital Signature



SMART DUBAI WILL BE THE PAPERLESS, SUSTAINABLE SMART CITY OF THE FUTURE BY 2021.



TECHNOLOGY

Enable the fulfillment of technology & data needs to ensure all transactions & processes are fully paperless.



LEGISLATION

Address the required legislators changes for the enablement of paperless transactions in all entities.



CULTURE

Address entity & customer cultural barriers to the adoption of fully paperless transactions & processes



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1 BILLION PAPERS

REDUCED WHEN WE GO
PAPERLESS BY 2021

4 MILLION

CHILDREN FED



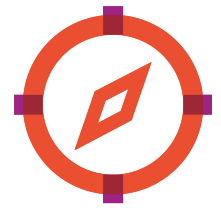
40 HOURS

FREED TIME

130,000

TREES SAVED





SMART GOVERNANCE &
PLANNING

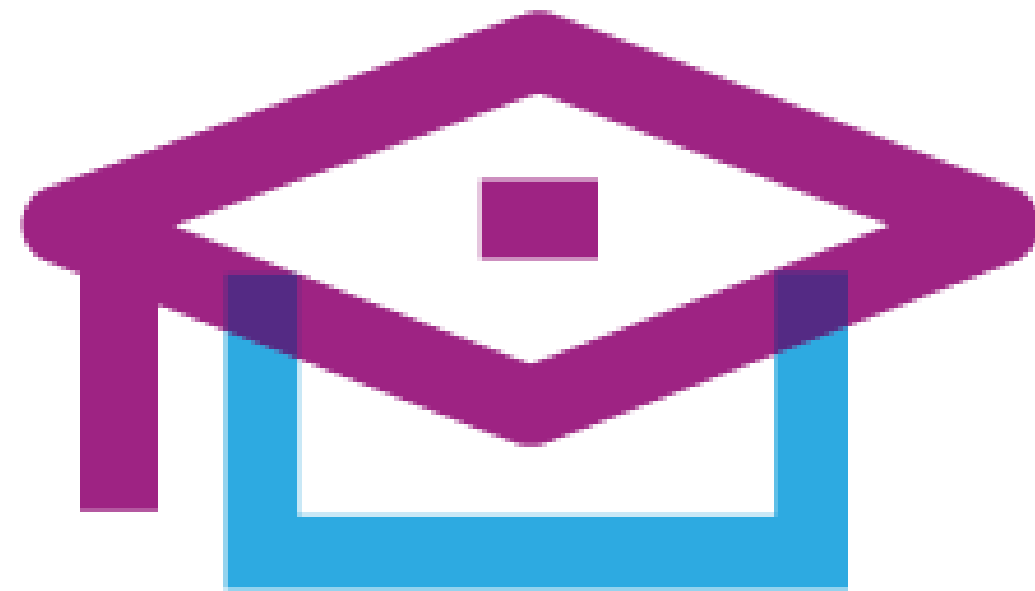
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DIGITAL SKILLS

Presenting skill development opportunities to prepare the next generation of digital leaders.



smart city academy

The world's first open platform for decentralized education and skill development on the Blockchain

A Dubai 10X initiative

R·I·T

Masters in City Science

Masters in Data Science

Corporate Happiness Diploma

Big Data Workshops



Mentoring PhD Students



Dubai Data Compliance Course