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# **Blockchain in the Government Context**



# Blockchain Roadmap for Karnataka

# Blockchain Hackathon 19-21 Jan'18



Government of Karnataka invited Blockchain enthusiasts to envision and build prototypes to simplify government services across government departments.

**48**

hours of hacking

**500+**

registrations

**60**

teams formed

**22**

EY Partners-  
Managers as mentors

**5**

Use cases

**10**

Lakhs prize  
money  
10 teams

## Use cases

*Cross-Domain  
multi-stakeholder  
decision making*

*Real time record  
maintenance*

*Identity Ownership  
Management*

*Incidence based  
payment system*

*Tracing the Chain of Custody of  
Agricultural/ Horticultural/Forest  
produce*



## Technology Partners





# Blockchain Conclave 15 Feb'18



## 1. Cryptocurrencies, FinTech and the rise of a new economics

This panel explored the aspects of currencies, FinTech disruptions and larger disruptions to finance and commerce as we know it.

## 2. Blockchain in Governance and Service Delivery

This panel brought together representatives from leading countries to discuss in detail the blockchain applications developed by them and the benefits and challenges involved.

## 3. The Social Impact of Blockchain

This panel brought together academic, legal and industry experts to explore these in depth. Such benefits include data privacy and security, impact on the legal process, transparency and accessibility of records, efficiency in decision-making and many others

3

Sessions

12

High Profile  
speakers

10

Presentations by winning teams

350

Delegates from government & industry

# Enablers in the GoK Blockchain Roadmap



1

## **Karnataka Blockchain Stack**

A secured Blockchain sandbox environment would be created for prototype development  
The Blockchain Stack for Karnataka would be made interoperable with other global and India-specific stacks.

2

## **Blockchain Governance Committee (BGC)**

An interdepartmental governance committee would be set-up to enable all of the above  
Targets for POCs within defined budgets and timelines would be setup for the BGC

3

## **Skills**

Under Industry-led skilling program, “YuvaYuga,” industry shall be encouraged to take trainings on Blockchain technology.  
Courses and certifications offered by MOOCS – (e.g, Coursera, UDEMY) could be recognized as valid certifications for individuals wanting to participate in POC builds / use the Blockchain lab.

4

## **Reusable Architectures, Templates and Standards**

Use-case categorisations, and architectures created and documented could be re-used for future use cases classified in those categories  
Standardized reusable templates could be compiled and re-used for various activities like use case design, process flows, requirement gathering and finalisation  
Standards like IEEE and GoI standards for user-interfaces, and security may be co-opted

5

## **Blockchain Lab / Incubation space**

A dedicated lab with PCs/Internet/Cloud access could be provided  
Approved individuals and/or empaneled startups/IT companies may be allowed to work on approved blockchain POCs at this lab

# Pilot 1: Traceability for Legal Timber

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Globally, the chain of custody of certified timber is an issue for consumers. Blockchain has the potential to bridge this trust gap.





# Pilot 2: Certifying Farm Produce for consumers

Farmers can receive a premium for their produce if they can certify and track the production value chain and directly sell to consumers.





Thank You