

## Potential Projects in Blockchain Technologies

### Land & Property Registration:



Blockchain based land & property registration and transfer system helps in establishing secure and dependable system among the buyer and seller and a tamper proof system for the Government which will ensure efficiency by eliminating redundancies through automating, sharing & verification of information across multiple Government Departments. Blockchain technology reduces the risk of manual errors while creating more secure processes for transferring ownership of documents.

### Birth, Marriage & Death Certificates:

Blockchain based certificates for Birth, Marriage and Death through seamless automated verification and delivery will enable better citizen experience in G2C services. Transparency and Trust, the two key benefits of Blockchain technology has a perfect application in these services.



### School & Colleges:



Blockchain based Certificates & Degrees will ensure 100% trust in the certification and any stakeholder can easily access the certificates from anywhere in the world. The system will build a complete education certification ecosystem which will replace the existing system completely.

## Centre for Good Governance

The Centre for Good Governance (CGG), Hyderabad was established in October 2001 by the then Government of Andhra Pradesh (GoAP) in collaboration with the Department for International Development (DFID) and the World Bank to help it achieve the Nations goal of Transforming Governance.

CGG works on eGovernance to transform the mechanics of government, and the nature of governance itself. CGG also undertakes action research, provides professional advice, and conducts change management programmes for government departments and agencies to enable successful implementation of their reform agenda.

### Our Vision

To be a world-class institution to support governance reforms by bringing together and harnessing the power of knowledge, technology and people for good governance

### Governing Body



**Sri Anumula Revanth Reddy**  
Hon'ble Chief Minister  
Government of Telangana  
Chairman, CGG Board



**Sri Mallu Bhatti Vikramarka**  
Hon'ble Dy. CM & Finance Minister,  
Government of Telangana &  
Vice Chairman, CGG Board & Chairman,  
Steering Committee



**Sri Rajendra Nimje, IAS (Retd.)**  
Director General, CGG

## DEVELOPING MISSION- CRITICAL eGOVERNANCE AND IT SOLUTIONS

### CONTACT US

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# Ushering in the Era of Blockchain Technologies



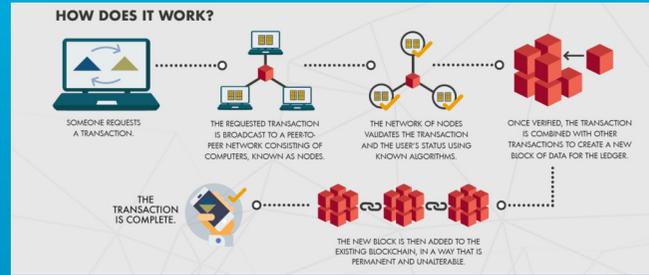
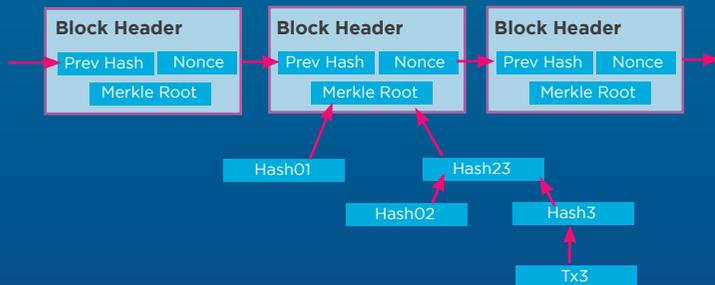
## Blockchain Technologies in Government

Blockchain is a disruptive technology that has potential to impact the world economy by building a new ecosystem based on validation of each exchange of information between parties, eliminating middlemen, increasing transparency, enhancing efficiency, streamlining processes and offering genuine privacy protection. Blockchain has the ability to accelerate government capabilities and affect domains like public benefits, healthcare, and education. There is an immense potential of Blockchain in good governance. India has witnessed several proofs of concepts to demonstrate Blockchain applications in banking, insurance and managing land records. Niti Aayog, IDRB, Govt of Telangana and other States have taken up projects towards the implementation of Blockchain Technologies.

### Centre of Excellence (CoE), CGG in Blockchain Technologies

CGG is working on e-Governance Projects for a decade and have done exemplary work on m-Governance & g-Governance projects for past few years. The Blockchain technologies have a great potential to be used in many government sectors across the globe. CGG is guiding many governments and departments on designing and deploying e-Governance solutions. CGG is contemplating to take the leadership role in providing benefits of Blockchain technologies to various Governments in general and Telangana state in particular. CGG is contemplating to set up a Centre of Excellence to enable Innovation Hub in the emerging technologies of Blockchain and Internet of Things through democratization of innovation, standardization, realization of Prototypes before the deployment of the same in public domain/ infrastructure

#### Arrangement of blocks in a Chain



and support Government initiatives on Blockchain as well as using IoT based applications/services for public access.

CGG is planning to collaborate with various Technology partners in the area of Blockchain Technologies to design & develop ICT based applications by complementing each other's strengths for development and identification of Use Cases, Proof of Concepts, and projects. This will involve following activities

- Use of Blockchain technologies for providing Government services to the citizens (G2C) and to the stakeholders that demand personal interaction and require individual identification.
- Provide an array of IT services which include guidance, technical advice and consulting on Blockchain
- Create required technical knowhow and support on Blockchain technologies platforms for identifying use cases.
- Facilitate in building Proof of Concept (PoC) for the identified use cases.
- Promote and facilitate knowledge creation, innovation and building services on Blockchain eco-system.
- Scale up the services that are built on Blockchain platforms and provide continuous support services.

#### Centre of Excellence - Working Methodology



## Value Proposition of CGG

- Increase in Government transparency, removing middlemen and layers of administration, increase in efficiency through G2G transactions, better citizen experience through G2C, and easy access of Blockchain and IoT technologies for use to Government departments
- Access to industry ready talent, technical experts and consultants
- To identify use cases and thereafter its ease of applicability in Government Departments
- Ready to use technology labs on Blockchain and IoT technologies through collaboration with other partners from government, academia and industry
- Helps to build prototypes, new services and applications on Blockchain and IoT ecosystems.
- Promote & support ICT enabled innovation for the specific need & benefit of Government Departments

