



MEDIA COVERAGE REPORT

**Press Release: ITI and Thalamus Irwine demonstrate Technology to
Revolutionize Healthcare under "One Nation, One Health Card"**

26th March 2021

**SUBMITTED BY
CORPORATE PUBLIC RELATIONS
ITI LIMITED**



ITI & Thalamus Irwine to store med data on blockchain

New Delhi: ITI, the country's telecom products manufacturing arm, and Thalamus Irwine, a local startup, have come together to develop a technology for storing medical data on blockchain, and conducted a Proof of Concept (PoC) with as many as 300 patients on Thursday.

The blockchain technology-based solution by the two companies would aid the Centre's ambitious One Nation One Health Card initiative, in line with the National Digital Health Mission (NDHM) to develop the backbone to support the integrated digital health infrastructure nationwide. **TNN**



Publication: Economic Times

Date: 26.03.2021

ITI, Startup Team Up for Technology to Store Medical Data on Blockchain

Muntazir.Abbas
@timesinternet.in

New Delhi: State-run telecom products manufacturing company ITI Ltd and local startup Thalamus Irwine have together developed a technology for storing medical data on blockchain, and conducted a proof of concept (PoC) with as many as 300 patients on Thursday.

The blockchain technology-based solution by the two companies would also enable the Centre's ambitious 'One Nation, One Health Card' initiative, in line with the National Digital Health Mission (NHDM) to develop a nationwide integrated digital health infrastructure.

"India is one of the few countries to start a blockchain-based health data record system where a better care would be provided to those who need medical attention," Rishabh Sharma, chief executive of Thalamus Irwine said, adding that with the ITI partnership, they would be able to store medical data on blockchain network.

The facility to test people for Covid-19 and other diseases would not require a traditional healthcare laboratory infrastructure, and offer blockchain-as-a-service with instant analysis using the ITI data centre in Bengaluru.



Publication: Financial Express

Date: 26.03.2021

Link: <https://www.financialexpress.com/lifestyle/science/iti-thalamus-irwine-demonstrate-tech-that-helps-store-medical-data-on-blockchain-network/2220347/>

[ITI, Thalamus Irwine demonstrate tech that helps store medical data on blockchain network](https://www.financialexpress.com/lifestyle/science/iti-thalamus-irwine-demonstrate-tech-that-helps-store-medical-data-on-blockchain-network/2220347/)

Telecom company ITI Ltd., and Delhi-based artificial intelligence (AI) firm Thalamus Irwine, under its healthcare platform Garuda, have demonstrated a working proof of concept (PoC) for the technology that they said can accelerate the roll out of “One Nation, One Health Card” vision of Prime Minister Narendra Modi.

“ITI’s partnership with Garuda allows us to bring blockchain technology to the forefront of the healthcare ecosystem”, said Rakesh Mohan Agarwal, CMD of Bengaluru-headquartered ITI, a

PSU under the Ministry of Communications. The very first PoC of this AI based testing was conducted in Bengaluru and another in the Delhi airport under the brand ‘Garuda’. To provide data security, ITI has already established a tier 3 data centre where information of all the health cards of citizens can be safely stored.

“This is first of its kind technology that helps build a robust health care eco system. With this unique collaboration, ITI is set to be one of the first PSUs to store medical data on a Blockchain network”, Agarwal said. Founder, Thalamus Irwine, Garuda Blockchain Platform, Rishabh Sharma said, “This demonstration is an end-to-end digital health ecosystem where we have performed a sero-survey using an AI enabled medical device and also compiled the analytics in real-time followed by storing that data on the blockchain network”.

This indigenously developed blockchain technology will include India in the list of very few countries which have successfully demonstrated its ability to use blockchain in a healthcare ecosystem. The demonstrated technology can unify India’s massive healthcare ecosystem under a single umbrella, using a blockchain backend, Sharma said.

ITI, Thalamus Irwine demonstrate tech that helps store medical data on blockchain network

By PTI | March 25, 2021 9:22 PM


“ITI’s partnership with Garuda allows us to bring blockchain technology to the forefront of the healthcare ecosystem”, said Rakesh Mohan Agarwal, CMD of Bengaluru-headquartered ITI, a PSU under the Ministry of Communications.

BLOCK CHAIN

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	Publication: United News of India
	Date: 26.03.2021
	Link: https://www.uniindia.com/iti-thalamus-irwine-demonstrate-technology-to-revolutionize-healthcare/business-economy/news/2353636.html

[ITI, Thalamus Irwine demonstrate Technology to Revolutionize Healthcare](#)

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Chairman and Managing Director ITI Ltd, said, “ITI's partnership with Garuda allows us to bring blockchain technology to the forefront of the healthcare ecosystem. The very first PoC of this AI based testing was conducted in Bangalore and another was done in the Delhi airport under the brand Garuda. With this initiative, we have taken one step ahead of this by using BlockChain Technology for safe storage of the data. To provide data security, ITI has already established a tier 3 Data Centre where information of all the health cards of citizens can be safely stored”.

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Highlighting the importance of Blockchain Technology for National Digital Health Mission, Mr Rishabh Sharma, Founder, Thalamus Irwine, Garuda Blockchain Platform, said, “This demonstration is an end-to-end digital health ecosystem where we have performed a sero-survey using an AI enabled medical device and also compiled the analytics in real-time followed by storing that data on



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Commenting on the partnership between ITI & Garuda, Mr David Moss, Founder and CEO of StrongBlock and Co-Leader of the historic launch of EOS Mainnet & former executive of BlockOne said, "The achievement to store medical data on the blockchain network marks a pivotal step for India in blockchain technology's future and its widespread adoption. This proof of concept serves as the fundamental and best step forward towards India's plans for its National Digital Health Mission, and an opportunity for global leadership in the adoption of blockchain technology in the ecosystem."



Publication: PSU Khabar

Date: 26.03.2021

Link: <https://psukhabar.com/2021/03/25/iti-ltd-thalamus-irwine-demonstrate-technology-to-revolutionize-healthcare/>

[ITI Ltd. & Thalamus Irwine Demonstrate Technology to Revolutionize Healthcare](#)

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SPECIAL STORY



ITI Ltd. & Thalamus Irwine Demonstrate Technology to Revolutionize Healthcare

March 25, 2021

Bengaluru, 25 March 2021: With the rising second wave of COVID-19 in India & the growing need for a COVID and Health Passport System, ITI Ltd., a state run PSU under Ministry of Communications and Thalamus Irwine, Delhi based AI Firm, under its healthcare platform Garuda, have demonstrated a working proof of concept (PoC) for the technology that can accelerate the...

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Publication: ET Telecom

Date: 26.03.2021

Link: <https://telecom.economictimes.indiatimes.com/news/iti-thalamus-irwine-team-up-to-debut-healthcare-services-using-blockchain-technology/81688110>

[ITI, Thalamus Irwine debut healthcare services using blockchain technology](#)

NEW DELHI: ITI Limited, India's telecom products manufacturing arm, and Thalamus Irwine, a local startup have come together to develop a technology for storing medical data on blockchain, and conducted a Proof of Concept (PoC) with as many as 300 patients on Thursday.

The blockchain technology-based solution by the two companies would also enable the Centre's ambitious One Nation One Health Card initiative, in line with the National Digital Health Mission (NDHM) to develop the backbone to support the integrated digital health infrastructure nationwide.

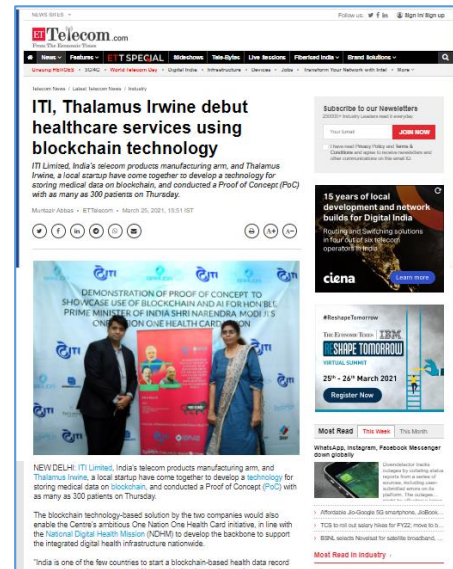
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The facility to test people for Covid-19 and other diseases would not require a traditional healthcare laboratory infrastructure, and offer blockchain-as-a-service with instant analysis using the ITI data centre in Bengaluru.

"One Nation One Health Card offers a level-playing field and consistency in health records would help to check future pandemics within a matter of minutes through a real-time scenario with distributed ledger technology (DLT), Sharma said.

The blockchain system, called Garuda Blockchain Platform, according to the company would compile nationwide data within seconds, and boost the rollout of the national health program with a foolproof or tamper less technology.

Both ITI and Thalamus would also conduct the next PoC at Delhi's Indira Gandhi International Airport, and would jointly pitch for the prestigious One Nation One Health Card initiative once launched commercially.



Both firms are working closely to develop an ecosystem keeping in mind the needs of rural and remote regions with battery-powered devices. The company has roped in South Korean Boditech Med to provide testing devices.

"We are preparing for the future, and have a three-tiered security. This will enable ITI to issue health cards and store data," RM Agarwal, chairman, ITI said, and added that the state-run company has partnered with innovative technology partners for the initiative.

Agarwal said that they have taken a step ahead in blockchain technology which is highly secure.

"It helps build a robust healthcare system with Artificial Intelligence (AI)-based testing," the top official said, and added that ITI has become the first public-sector firm to data available using blockchain technology.



Publication: The Outlook

Date: 26.03.2021

Link: <https://www.outlookindia.com/newscroll/iti-teams-up-with-thalamus-irwine-to-participate-in-ndhm-health-projects/2053658>

[ITI teams up with Thalamus Irwine to participate in NDHM, health projects](https://www.outlookindia.com/newscroll/iti-teams-up-with-thalamus-irwine-to-participate-in-ndhm-health-projects/2053658)

New Delhi, Mar 25 (PTI): State-owned technology firm ITI Ltd on Thursday said it along with domestic start-up Thalamus Irwine will jointly bid for health projects, including the National Digital Health Mission, to deploy artificial intelligence-enabled solution for digital health record system.

ITI Ltd with Thalamus Irwine conducted a live demonstration of Garuda Blockchain

Platform at Vidya Ankur Basti Vikas Kendra, run by Agnel Charities, to test COVID-19 patients.

The screenshot shows a news article snippet from Outlook. The title is "ITI teams up with Thalamus Irwine to participate in NDHM, health projects". The article text includes: "New Delhi, Mar 25 (PTI) State-owned technology firm ITI Ltd on Thursday said it along with domestic start-up Thalamus Irwine will jointly bid for health projects, including the National Digital Health Mission, to deploy artificial intelligence-enabled solution for digital health record system." It also mentions a live demonstration of Garuda Blockchain Platform at Vidya Ankur Basti Vikas Kendra, run by Agnel Charities, to test COVID-19 patients. Quotes from ITI Chairman and Managing Director Rakesh Mohan Agarwal are included, along with a reference to Prime Minister Narendra Modi's vision of "One Nation-One Health Card".

"ITI's partnership with Garuda has allowed us to bring blockchain technology to the forefront of the healthcare ecosystem. "The health card data of every Indian citizen needs to be protected with the highest possible standards," ITI Chairman and Managing Director Rakesh Mohan Agarwal said while sharing details of the collaboration.

He said Prime Minister Narendra Modi's vision of "One Nation-One Health Card" is set to revolutionise Indian healthcare.

"In our service to the nation, ITI's collaboration with Thalamus Irwine and Garuda has enabled ITI to become a trailblazer in becoming one of the first PSU's to store medical data on a blockchain network," Agarwal said.

He added that this is in line with the National Digital Mission and this demonstration showcases the firms' commitment towards doing their part in serving the nation to make India one of the leaders in AI and blockchain, while at the same time providing people with better healthcare. Indian IT start-up Thalamus Irwine claims to have developed an artificial intelligence and IoT-based solution to complete a sero survey with one crore samples of COVID-19 cases within a week.

Thalamus Irwine Chairman Rishabh Sharma said there is no limit to the technology and it depends on how many points have been deployed to collect data.

"COVID-19 is one of the examples that we are showing.


"We can collect structured data in a few seconds from various nodes and can analyse what are the prevalent symptoms, location-based analysis of the cases, etc, which can help the government in handling the situation with precise data in hand," Sharma said.

Thalamus Irwine provides Garuda solution on a laptop size machine that can be carried anywhere and diagnostic data can be generated from it. The platform simultaneously uploads it on to the designated servers.

Under the collaboration, ITI will host data collected by the start-up at its data centres.

"Today, it is COVID-19; in future, it can be another situation. We are providing a blockchain-based solution which is secure and data will remain safe in Indian hands.

"We want to share that India is now ready with indigenous solutions to handle health data," Sharma said.

	Publication: Express Healthcare
	Date: 26.03.2021
	Link: https://www.expresshealthcare.in/news/iti-thalamus-irwine-demonstrate-technology-for-covid-and-health-passport-system/427912/

[ITI, Thalamus Irwine demonstrate technology for COVID and health passport system](https://www.expresshealthcare.in/news/iti-thalamus-irwine-demonstrate-technology-for-covid-and-health-passport-system/427912/)

With the rising second wave of COVID-19 in India and the growing need for a COVID and health passport system, ITI, a state run PSU under Ministry of Telecom and Thalamus Irwine, a Delhi based AI Firm, under its healthcare platform Garuda, have reportedly demonstrated a working proof of concept of technology that can accelerate the roll-out of “One Nation, One Health Card” vision of Prime Minister Shri Narendra Modi.



The demonstration was performed at Vidya Ankur Basti Vikas Kendra, Badarpur, New Delhi, on March 25. Speaking at the demo, Rishabh Sharma, Founder, Thalamus Irwine, Garuda Blockchain Platform, said, “Today we demonstrated an end-to-end digital health ecosystem as envisioned by Hon’ble Prime Minister Narendra Modi Ji in the National Digital Health Mission. Not only did we perform a sero-survey using an AI enabled medical device, but we compiled those analytics in real-time and then stored that data on the blockchain network.”

Rakesh Mohan Agarwal, CMD, ITI, said, “ITI’s partnership with Garuda has allowed us to bring blockchain technology to the forefront of the healthcare ecosystem. The health-card data of every Indian citizen needs to be protected with the highest possible standards.” Referring to Prime Minister Shri Narendra Modi ji’s vision of “One Nation One Health Card”, he said it will provide universal access to healthcare such that no matter which part of India a citizen goes to, they are able to get the highest level of care they deserve.

As this health-card scheme will require a complex digital backbone, Agarwal advocated blockchain technology as a promising choice due to its enhanced security features and efficiency.

As per a release, the Garuda Blockchain Backbone, developed in collaboration with ITI, establishes a proof of concept to implement Hon'ble Prime Minister Shri Narendra Modi's "One Nation One Health Card" Vision. The initiative will connect every basti, village, hospital, clinic and lab under a common shared data-backbone.

This health-card data can be hosted in the most secure decentralised server system offered by blockchain technology while simultaneously generating real time analytics to study the new trends and patterns for diseases like COVID throughout India. It will also serve as a digital fortress and a unifying factor for various players in the healthcare ecosystem. Such that all of healthcare stakeholders are operating off of the same blockchain network with a shared history.

The release quoted David Moss, Founder and CEO, StrongBlock commenting that ITI and Garuda's "achievement to store medical data on the blockchain network marks a pivotal step for India in blockchain technology's future and its widespread adoption. This proof of concept serves as the fundamental and best step forward towards India's plans for its National Digital Health Mission, and an opportunity for global leadership in the adoption of blockchain technology in the ecosystem."



Publication: PSU Connect

Date: 26.03.2021

Link: <https://www.psuconnect.in/news/iti-and-thalamus-irwine-demonstrate-technology-to-revolutionize-healthcare-under-one-nation-one-health-card/27140>

[ITI and Thalamus Irwine demonstrate Technology to Revolutionize Healthcare under “One Nation, One Health Card”](#)

Bengaluru: With the rising second wave of COVID-19 in India & the growing need for a COVID and Health Passport System, ITI Ltd., a state-run PSU under Ministry of Communications and Thalamus Irwine, Delhi based AI Firm, under its healthcare platform Garuda, have demonstrated a working proof of concept (PoC) for the technology that can accelerate the rollout of “One Nation, One Health Card” vision of Hon’ble Prime Minister Shri Narendra Modi.



Complementing the vision of “One Nation One Health Card” of Hon'ble Prime Minister Shri Narendra Modi with this initiative, Shri. Rakesh Mohan Agarwal, Chairman, and Managing Director ITI Ltd said, “ITI's partnership with Garuda allows us to bring blockchain technology to the forefront of the healthcare ecosystem. The very first PoC of this AI-based testing was conducted in Bangalore and another was done in the Delhi airport under the brand Garuda. With this initiative, we have taken one step ahead of this by using BlockChain Technology for safe storage of the data.

To provide data security, ITI has already established a tier 3 Data Centre where information of all the health cards of citizens can be safely stored. This is the first kind of technology that helps build a Robust Health care eco System. With this unique collaboration, ITI is set to be one of the first PSUs to store medical data on a Blockchain network

Highlighting the importance of Blockchain Technology for National Digital Health Mission, Shri. Rishabh Sharma, Founder, Thalamus Irwine, Garuda Blockchain Platform, said, “This demonstration is an end-to-end digital health ecosystem where we have performed a serosurvey using an AI-enabled medical device and also compiled the analytics in real-time followed by storing that data on the

blockchain network. This indigenously developed blockchain technology will include India in the list of very few countries that have successfully demonstrated its ability to use blockchain in a healthcare ecosystem. The demonstrated technology can unify India's massive healthcare ecosystem under a single umbrella, using a blockchain backend."

Commenting on the partnership between ITI & Garuda, Shri. David Moss, Founder, and CEO of StrongBlock and Co-Leader of the historic launch of EOS Mainnet & former executive of BlockOne said, "The achievement to store medical data on the blockchain network marks a pivotal step for India in blockchain technology's future and its widespread adoption. This proof of concept serves as the fundamental and best step forward towards India's plans for its National Digital Health Mission, and an opportunity for global leadership in the adoption of blockchain technology in the ecosystem."



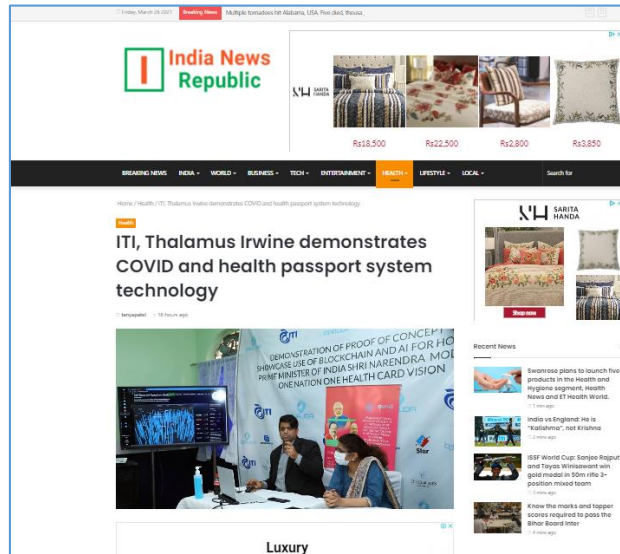
Publication: India News Republic

Date: 26.03.2021

Link: <https://indianewsrepublic.com/iti-thalamus-irwine-demonstrates-covid-and-health-passport-system-technology/247360/>

[ITI, Thalamus Irwine demonstrates COVID and health passport system technology](https://indianewsrepublic.com/iti-thalamus-irwine-demonstrates-covid-and-health-passport-system-technology/247360/)

With the rise of the second wave of COVID-19 in India and the growing need for COVID and healthcare passport systems, ITI, a state-owned PSU under the Ministry of Telecom, and AI based in Delhi, a healthcare platform Garuda. The company Talams Irwine reportedly provided practical evidence of a technology concept that could accelerate the development of Prime Minister Shri Narendra Modi's "One Nation, One Health Card" vision.



The demonstration took place on March 25th at Vidya Ankur Basti Vikas Kendra in Badarpur, New Delhi. In the demo, Rishabh Sharma, founder of Thalamus Irwine on Garuda Blockchain Platform, said: A health ecosystem envisioned by Hon'ble Prime Minister Narendra Modi at the National Digital Health Mission. Not only did we perform serum surveys using AI-enabled medical devices, but we also compiled those analyzes in real time and stored the data on the blockchain network. “

Rakesh Mohan Agarwal, ITI's CMD, said: “The partnership between ITI and Garuda has brought blockchain technology to the forefront of the healthcare ecosystem. Health card data for all Indian citizens must be protected to the highest possible standards. Mentioning the vision of Prime Minister Shri Narendra Modi's "One Nation One Health Card", universal health care to ensure that citizens receive the highest levels of care no matter where they go in India. It said that it would provide good access.

Due to the complex digital backbone required for this health card scheme, Agarwal has advocated blockchain technology as a promising option due to its enhanced security features and efficiency.

With each release, the Garuda Blockchain Backbone, co-developed with ITI, establishes a proof of concept for implementing Hon'ble Prime Minister Shri Narendra Modi's "One Nation One Health Card" vision. The initiative connects all Basti, villages, hospitals and clinics Labs under a common shared data backbone. This health card data can be hosted on the most secure distributed server system provided by blockchain technology, while at the same time generating real-time analysis to study new trends and patterns of diseases such as COVID across India. It also acts as a digital fortress and integration element for different players in the healthcare ecosystem. Ensure that all healthcare stakeholders operate from the same blockchain network with a shared history.

This release is quoted by StrongBlock founder and CEO David Moss, and ITI and Garuda's achievement of storing medical data in blockchain networks is extremely important for India in the future of blockchain technology and its widespread adoption. It represents an important step. This proof-of-concept is a basic and best step towards planning India's National Digital Health Mission and serves as an opportunity for global leadership in the adoption of blockchain technology in the ecosystem.



Publication: Devdiscourse

Date: 26.03.2021

Link: <https://www.devdiscourse.com/article/technology/1510147-iti-thalamus-irwine-demonstrate-tech-that-helps-store-medical-data-on-blockchain-network>

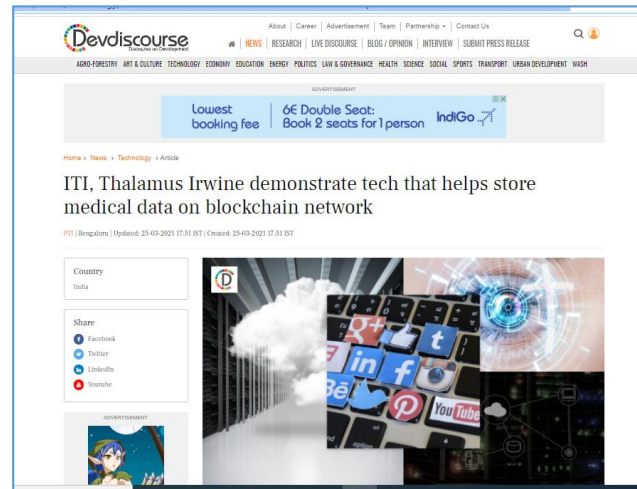
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Publication: Latest LY

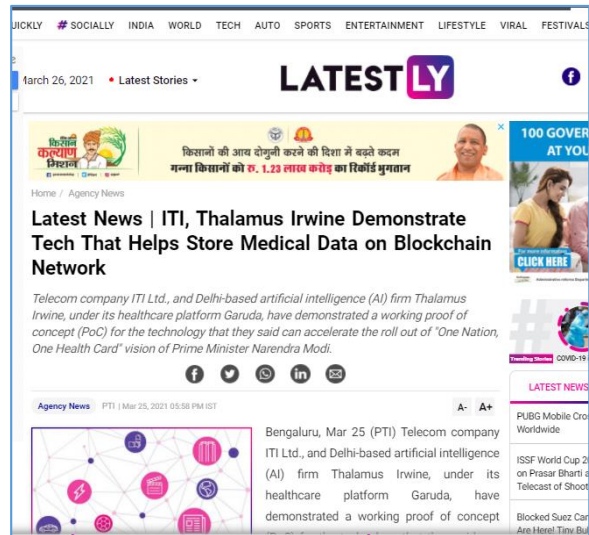
Date: 26.03.2021

Link: <https://www.latestly.com/agency-news/latest-news-iti-thalamus-irwine-demonstrate-tech-that-helps-store-medical-data-on-blockchain-network-2390111.html>

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