

MONTHLY NEWSLETTER

# Urban Insights

HOUSING & URBAN DEVELOPMENT DEPARTMENT  
GOVERNMENT OF JAMMU & KASHMIR

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Integrated Command and Control Center (ICCC) of Jammu Smart City Ltd.



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## About JKHUDD

The Jammu & Kashmir Housing and Urban Development Department (JKHUDD) is the Nodal Agency for Planning, Development, and Management of Urban Areas in the UT of J&K. It oversees various aspects such as Infrastructure Development, Urban Planning, Housing, and Municipal Governance to ensure sustainable growth & quality of life in the region.

The Department is also responsible for framing of Housing policy, Create Legal, Institutional and Procedural changes to encourage investment in housing sector and to facilitate creation of adequate housing stock etc. The Housing and Urban Development Department, J&K has been in existence since 1970 to look after the important sectors of Housing, Urban Development and Local Self-Government.



*Mandeep Kaur, IAS*

**Commissioner/Secretary**  
**Housing & Urban Development Department**  
**Government of Jammu & Kashmir**  
**Civil Secretariat, Srinagar/Jammu.**  
Srinagar : 0194-2506060, 0194-2506024  
Jammu : 0191-2542765, 0191-2571609  
Mob. : +91-9971155500  
E-mail : [principalsecretaryhuddjk@gmail.com](mailto:principalsecretaryhuddjk@gmail.com)



### **MESSAGE**

It is with great pride that I present to you the 3rd edition of our monthly newsletter, which showcases the remarkable progress made in the areas of IT interventions under the Srinagar Smart City Limited (SSCL) and Jammu Smart City Limited (JSCL).

Our cities are undergoing a transformative journey, embracing technology as a catalyst for sustainable development and enhanced quality of life. This edition of newsletter serves as a testament to our unwavering commitment to leveraging the power of digital solutions to address urban challenges and create smarter, more livable cities.

In this edition, you will discover the Integrated Command and Control Center (ICCC) and the cutting-edge Intelligent Traffic Management System (ITMS) established under JSCL and SSCL, which have revolutionized traffic flow, enhanced road safety, and enabled real-time monitoring and management of city operations in both Srinagar and Jammu and much more.

Furthermore, we take immense pride in highlighting the eBill Pay (WebGIS) platform, in conjunction with the digital door numbers installed across the city of Srinagar and Jammu. This comprehensive solution has facilitated easy payment of civic services, efficient address tracking, and efficient door-to-door solid waste collection, thereby promoting transparency and convenience for our valued citizens.

As we continue to shape our cities into beacons of innovation and progress, I extend my sincere gratitude to all stakeholders, including our dedicated departmental team, and most importantly, our citizens, for their unwavering support and active participation in this endeavor.

**(Mandeep Kaur)**





## Jammu Smart City's ICCC Goes Live: A Game-Changer for Efficient Urban Governance

Ushering in a new era of smart governance, the Integrated Command & Control Centre (ICCC) under the Jammu Smart City Limited (JSCL) is inaugurated by the Lieutenant Governor of J&K, Shri Manoj Sinha, on March 2023. With an impressive budget of ₹143.76 crore, this prosperous & ambitious project marks a significant milestone in Jammu's journey towards becoming a truly smart, resilient and sustainable city.

The ICCC, housed on the 1st Floor of the JMC Building, serves as the epicenter of this transformative initiative. Powered by cutting-edge technology, the ICCC software suite seamlessly integrates with various smart city components, including the Intelligent Traffic Management System (ITMS) and also Video Management and Detection (VMD) etc.

At the core of the ICCC lies a state-of-the-art Data Center, a secure repository that collects and stores data from various sources across the city. This centralized data hub empowers decision-makers with robust analytics and insights, further enabling informed decision-making and optimized resource allocation, ultimately leading to enhanced urban governance and citizen services for the citizens of Jammu city.

The Data Center is equipped with advanced security measures, ensuring the protection and privacy of sensitive data, while also facilitating seamless data exchange and collaboration among various stakeholders within the smart city ecosystem. The scalable design and financial model allows for future expansion of this technology.







One of the key components of the project, the Intelligent Traffic Management System (ITMS), aims to alleviate traffic congestion and improve road safety. Utilizing an array of advanced traffic cameras, sensors, and intelligent algorithms, the ITMS provides real-time traffic monitoring, enabling dynamic traffic signal control and facilitating efficient traffic management strategies.

The ICCC is staffed by a dedicated team of professionals, including 5 traffic personnel, 2 police personnel, and 2 helpline operators, ensuring round-the-clock monitoring and prompt response to any emergencies or civic issues that may arise.

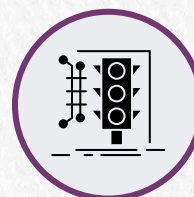
With the inauguration of the cutting-edge ICCC, Jammu has taken a significant leap towards becoming a model smart city. This achievement underscores the JSCL's commitment to embrace innovation and technology to enhance the quality of life.

### Key Project Features

The state-of-the-art Integrated Command and Control Centre (ICCC) of Jammu Smart City Limited (JSCL) is incorporated with the following key technologies and features:



Integrated Data Center



Intelligent Traffic Management System



eBill Pay (WebGIS)



Video Management System (VMS)



Emergency Response System



Environmental Sensors







## JSCL's ICCC Real-Time Surveillance Ensured Smooth & Transparent Lok Sabha Polls in J&K

In an unprecedented move to ensure free and fair elections in the crucial Lok Sabha polls, the Election Commission of India (ECI) has deployed cutting-edge technology to monitor polling booths and potential violations of the Model Code of Conduct (MCC) in Jammu and Kashmir.

The ECI team kept a hawk-eye vigil from the state-of-the-art Integrated Command and Control Centre (ICCC) established by the Jammu Smart City Ltd. under the flagship Smart Cities Mission.

Leveraging an array of advanced cameras, sensors, and analytics tools, the ICCC is enabling real-time monitoring of polling stations. Any irregularities or deviations from the prescribed norms can be swiftly detected.

"This initiative by JSCL is a game-changer for ensuring transparency & integrity in the electoral process, with the ICCC's intelligent surveillance capabilities, we can nip any potential malpractices in the bud, instilling greater confidence among voters" stated a senior ECI official overseeing the operations.

The real-time surveillance measures by the Election Commission of India and JSCL have received widespread praise from citizens and political parties alike. By leveraging cutting-edge technology, the electoral process has become more transparent and accountable, reinforcing the principles of democracy. The successful deployment of the ICCC in Jammu and Kashmir during these crucial Lok Sabha polls has set a new benchmark for future elections.







## Tech-Driven Integrated Command and Control Centre (ICCC): New Chapter in Efficient Governance for Srinagar

In a major step towards transforming Srinagar into a smart city, the Integrated Command and Control Centre (ICCC) was inaugurated by Lt. Governor J&K, Shri. Manoj Sinha at the HMT factory building in Zainakote, Srinagar. Established under the Smart Cities Program of the Ministry of Housing and Urban Affairs (MoHUA), Government of India, the Rs 48.2 crore state-of-the-art ICCC will serve as the city's nerve center. It will receive and process data from various sources to enable efficient management of civic amenities and services.

The ICCC project was implemented by Bharat Electronics Limited (BEL), which was awarded the contract for supply, installation, testing, and commissioning. Several other smart city projects have also been completed in Srinagar city.



### Key Project Features

The Integrated Command and Control Centre of SSCL is a comprehensive system designed to enhance the efficiency of city operations. It encompasses of following 3 main key features:



Real-time monitoring of city operations through integrated video feeds, sensors, and data sources.



Collection and analysis of data from various city systems (traffic, utilities, public services, etc.)



Unified platform for managing and coordinating different city operations and services.



Project Cost: 48.2 Crores





## Services integrated in ICCC for **Srinagar Municipal Corporation**



Community Hall Booking



Bin Booking Service



Poultry Waste Collection



C&D Waste Collection



Septic Tank Clearance



My City My Ideas Service



Contractor Card Service



Share DDN Service



Near Me Services



Information Services



Citizen Registration



Citizen Dashboard







## eBill Pay (WebGIS) by JSCL: Streamlining Civic Services with Technology

Jammu Smart City Limited has embarked on a ambitious project, eBill Pay for Civic Services (WebGIS), to digitize civic services and enhance the overall experience for citizens. This initiative is a significant step towards modernizing the city's infrastructure and governance. This digital transformation will streamline processes, increase transparency, and improve accessibility for residents.

In addition to streamlining civic services, the project also aims to enhance the city's infrastructure through the innovative Digital Door Number Plate fixation initiative. This feature will not only improve navigation and address identification but also contribute to the overall modernization of Jammu's urban landscape. Jammu is thereby setting an example for other urban centers in the region.

Furthermore, the development of the City Website, City Mobile App, and other GIS-based applications will empower citizens by providing them with easy access to a wide range of civic services. These digital platforms will enable citizens to conveniently access information, submit requests, and stay updated on various initiatives undertaken by the city administration.

The eBill Pay for Civic Services (WebGIS) project is a testament to Jammu Smart City Limited's (JSCL) commitment to leveraging technology for the betterment of the city and its residents. By this digital transformation, Jammu city is paving the way for improved governance, enhanced transparency, and a more efficient delivery of civic services fulfilling Government of India's guidelines.







## GIS Based Digital Door Numbering Jammu Municipal Corporation

### Challenge

- 1 Address Ambiguity and Duplication.
- 2 Challenges in Utility Billing & Property Tax Management.
- 3 Inability to leverage location-based services and Data-Driven Solutions.
- 4 Lack of method for Citizens Grievance Redressal.
- 5 Disconnected Municipal Databases and Systems.

### Solution

- ✓ Precise geo-referencing of every Building and Structure.
- ✓ Streamlining Utility Billing, Property Tax & Census Data Collection.
- ✓ Easy-to-locate addresses for Residents, Visitors, & Service Providers.
- ✓ Improves efficiency of Emergency Response and Delivery Services.
- ✓ Seamless integration with other Municipal Databases and Systems.







## Intelligent Traffic Management System (ITMS): Leap Towards Seamless and Efficient Traffic Management

The Jammu Smart City Limited (JSCL) has taken a significant stride toward smarter traffic management with the implementation of the state-of-the-art Intelligent Traffic Management System (ITMS). This cutting-edge system aims to revolutionize the way traffic is monitored and managed across the city, ensuring smoother and safer commutes for all. This represents Jammu's significant leap forward in urban transportation sector.

At the heart of the ITMS lies a comprehensive network of 44 traffic signal locations, providing live feeds from 70 junctions across Jammu. With a storage capacity of five days, this system enables real-time monitoring and analysis of traffic patterns, empowering authorities to make informed decisions and respond promptly to any potential issues.



### Key Project Features

The salient features of the Intelligent Traffic Management System (ITMS) are as below:



44 Traffic Signals



70 Junctions



5 Days Backup



20 Junctions with  
ITMS Analytics



Traffic Personnel  
for issuing e-Challan



Police Personals  
for Surveillance







## ITMS Rollout in Srinagar: Smarter Traffic Control, Surveillance & Safer Roads

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### Key Project Features

The salient features of the Intelligent Traffic Management System (ITMS) are as below:



Implementation of Servers, Network, Storage and Software.



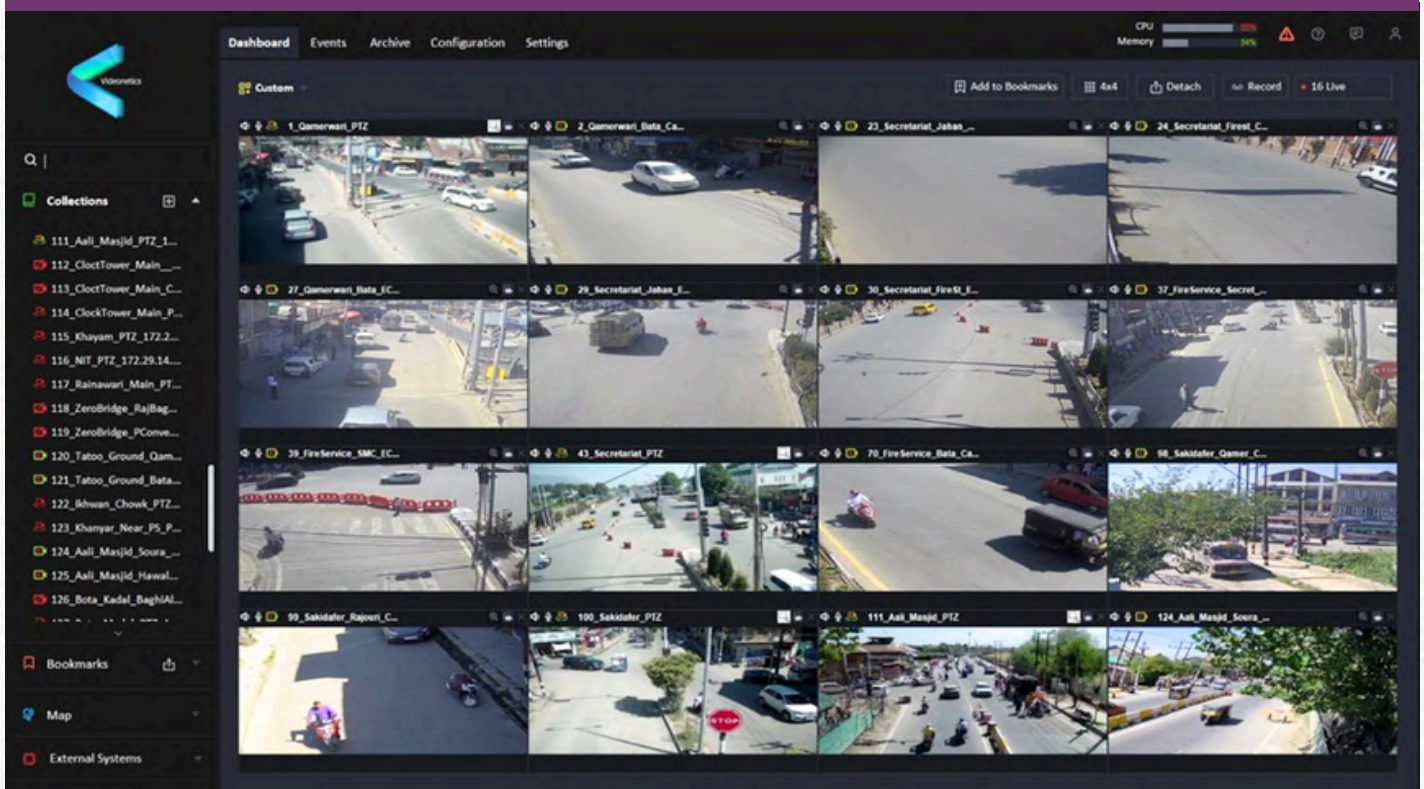
Surveillance of RLVD, ANPR, No Helmet, Triple Riding, No Seat Belt etc.



E-Challan Integration (Testing with Staging Server Done).



### INTELLIGENT TRAFFIC MANAGEMENT SYSTEM (ITMS)







## Future-Ready Learning Spaces: Jammu Smart City Limited Unveils Cutting-Edge School Upgrades

The Smart School and Modernization of School Infrastructure project, spearheaded by the Jammu Smart City Limited in collaboration with Director School Education, is a substantial initiative with a budget of ₹ 11.378 Cr., aimed at revolutionizing the educational infrastructure.

The project, which started in April 2022 has already seen significant progress with equipment installations in 21+ schools.

The project encompasses the renovation of existing infrastructure, installation of interactive flat panel displays with OPS, provision of power backup, implementation of a complete CCTV solution for enhanced security, a comprehensive 2-way PA system for effective communication & networking of classrooms for seamless connectivity.



### Key Project Features

The Smart School School Infrastructure project encompasses the following key features:



Flat Panel Displays



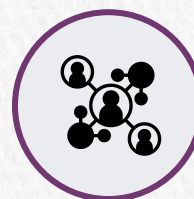
2-Way PA System



CCTV Solution



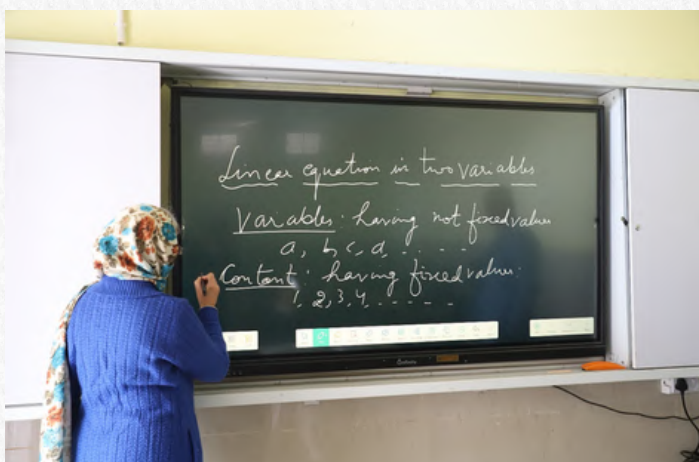
24x7 Power Backup System



Classroom Networking



Seamless Connectivity



Project Cost: 11.37 Crores





## Embracing the Digital Age: Ranbir Library's Leap into Modernity

The Modernization of Ranbir Library project, undertaken by the Jammu Smart City Limited, is a significant initiative with a budget of ₹ 5.97 Cr. This project aims to transform the library into a modern, user-friendly, and technologically advanced space. The project, encompasses several key components: the upgradation of IT and non-IT infrastructure to enhance the user experience, the implementation of a Library Management System to streamline operations, the digitization of library resources for increased accessibility, the establishment of a Career Counselling center to provide guidance and support, the implementation of a Smart Library using RFID technology for efficient resource management, the provision of a modern cafeteria and male and female toilet blocks for basic amenities.

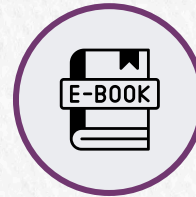


### Key Project Features

The Modernization of Ranbir Library project encompasses the following key features:



Library Management System



Digitization of Library Resources



Career Counselling



RFID Technology



Smart Spike Lights



Linear Lights



Project Cost: 5.97 Crores





## Srinagar's Tech Renaissance: Building a Future-Ready Smart City

Srinagar is undergoing a remarkable technological renaissance, paving the way toward becoming a truly smart and sustainable city. Spearheaded by the Srinagar Smart City Limited (SSCL), this transformation encompasses a range of ambitious initiatives that harness the power of cutting-edge technologies. From an integrated command and control center acting as the brain for all smart city operations, to intelligent traffic management systems, early warning and disaster management solutions, and a robust data network backbone, Srinagar is leaving no stone unturned in its pursuit of urban innovation. Moreover, the city is fostering inclusivity and citizen engagement through digital platforms ensuring a future-ready ecosystem.



### Integrated Command & Control Centre (ICCC)

SSCL's ICCC act as the Brain & Nerve Centre for all Smart city IT Interventions.



### Intelligent Traffic Management System (ITMS)

Solution with RLVD, ANPR, PTZ and Box Cameras and e-Challans.



### Geographic Information System (GIS)

GIS Mapping, Physical Survey and Digital Address of all the Properties of the City.



### mySrinagar Portal and mySrinagar App

City's Public Interface Mobile app for Android and iPhone users



### Early Warning System

Incident and Disaster Management System with Location based Targeted Surveillance & Messaging.



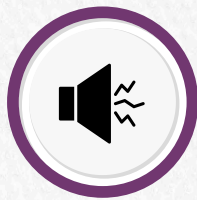
### Integrated Solid Waste Management System

To improve the Efficiency and Effectiveness of the Waste Management Process.



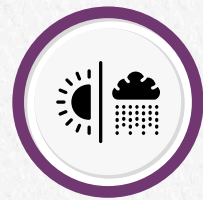
### Water Quality Monitoring

Real-time sensors and wireless networks enable efficient water quality data collection.



### Noise Level Monitoring

Ubiquitous sensors and IoT networks facilitate real-time noise mapping and analysis.



### Weather Forecasting

Weather monitoring networks enable precise forecasting and real-time climate data analysis.





## Srinagar in Your Hands: Introducing the 'My Srinagar' Mobile Companion

Srinagar Smart City Limited launched its flagship mobile application, designed to revolutionize the way citizens interacted with civic services and experienced the city. The 'My Srinagar' app was a one-stop digital platform that seamlessly integrated a wide range of features to enhance urban living.

With the 'My City My Ideas' service, residents can now actively participate in shaping the future of Srinagar by sharing their ideas, suggestions, and feedback directly with the city administration. For tourists and locals alike, the app offered comprehensive 'Information Services' about popular tourist locations in Srinagar, making it easier to plan visits and explore the city's vast and rich cultural heritage.

The 'Near Me' service leveraged location-based technology to help users locate nearby civic amenities, such as parks, hospitals, schools, and public utilities, ensuring convenience and accessibility. Additionally, the app has also integrated various other civic and e-governance services.

With its intuitive user interface and seamless integration of multiple services, the 'My Srinagar' app aimed to create a connected and engaged community, where citizens could actively participate in shaping their city's future while enjoying the convenience of having all essential services at their fingertips. The app boasted a user-friendly interface, making it easy for people of all ages and technical backgrounds to access its features.



**Srinagar**  
SMART CITY





## Fiber-Optic Future: SSCL's SDNet Connects Srinagar's Urban Tech Landscape

Srinagar is undergoing a remarkable digital transformation with the implementation of the Srinagar Data Network (SDNet). This cutting-edge underground Optical Fibre Network spans an impressive 175 kilometers, weaving its way through the city's major thoroughfares and connecting all the Adaptive Traffic Control Systems (ATCS) and Intelligent Traffic Management Systems (ITMS) junctions.

SDNet's strategic layout ensures that it reaches every corner of Srinagar, laying the foundation for a truly connected and intelligent urban ecosystem. By seamlessly integrating with the city's existing infrastructure, this state-of-the-art network has become an indispensable asset, enabling seamless data transfer. Furthermore, this robust network empowers citizens by providing access to a wealth of online services, fostering transparency and enhancing civic engagement.

One of the key beneficiaries of SDNet is the Srinagar Smart City's ITMS project, which relies on this robust network for its connectivity needs. With SDNet's ample bandwidth capacity, the Integrated Command and Control Center (ICCC) can effortlessly receive and process high-definition video feeds from numerous surveillance cameras strategically placed throughout the city.

Moreover, SDNet's scalability and extensibility make it a future-proof investment for Srinagar's digital aspirations. As the city continues to grow and adopt more smart city initiatives, this underground Optical Fibre Network stands ready to accommodate the ever-increasing demand for data and connectivity. Government departments and agencies can easily tap into this powerful resource, enabling them to streamline their operations, enhance service delivery, and foster greater collaboration and transparency.



### Backbone

City-wide fiber network shall act as the backbone for all the smart city & traffic control system initiatives.



### Connectivity for Implemented and Upcoming Projects

Provide connectivity to all other infrastructure that shall be installed as part of Smart city initiatives in near future.



### Connectivity for 66 Junctions

Provide ultra high-speed low latency connectivity to all ITMS system installed at 66 Junctions.





## Employee's of the Month - May 2024



### **Jatinder Pal Singh (JKAS)**

General Manager, Jammu Smart City Limited (JSCL)

Mr. Jatinder was entrusted with the execution of flagship projects of JSCL such as Integrated Command and Control Centre (ICCC), Intelligent Traffic Management System (ITMS), Digital Door Number and Web based Geographical Information System (GIS) etc. These projects are one of its kind and have been introduced in the Jammu city for the first time. By leveraging technology and automation, these projects play vital role in bringing accountability, transparency and efficiency in city administration.

Possessing a substantial past working experience in Information Technology sector, the officer exploited his knowledge base and lead the IT based projects from inception till their operationalization. His dynamic leadership and attention to the details have been instrumental in overcoming several bottlenecks and achieving different milestones of the projects.



### **Rizwan Khurshid Nazki**

Assistant Executive Engineer (Electrical), SSCL

Mr. Rizwan Khurshid Nazki was primarily appointed as AEE Electrical in Srinagar Smart City Limited, but considering his vast experience in Project/s Management as a hardcore Projects Manager, was elevated in 6th Meeting of Board of Directors of Srinagar Smart City Limited and designated as "SPV - Coordinator", a Key Managerial position in SSCL. He was given wide range of following responsibilities, but not limited to, in the interest of the Smart Cities Mission & for smooth implementation of Srinagar Smart City Projects.

Rizwan is often relied upon to be conscientious and efficient in meeting commitments and observing deadlines. He has a track record of efficiently managing tasks and responsibilities, ensuring that he meets commitments and adheres to deadlines. This skill is essential for his position where he has to often juggle multiple tasks simultaneously.



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