



CONFERENCE REPORT

To delve upon the best practices on Kumbh, the Haridwar Roorkee Development Authority, Haridwar District Administration and Elets Technomedia Pvt Ltd recently organised the Innovation Summit in Haridwar.

The two-day summit was inaugurated by Uttarakhand Chief Minister Trivendra Singh Rawat.

Madan Kaushik, Minister For Urban Development, Government of Uttarakhand, was the Guest of Honour at the summit.

From the Haridwar administration, Deeepak Rawat, District Magistrate; Krishna Kumar VK, Senior Superintendant of Police; Nitin Bhadauria, District Magistrate, Almora and the then Vice Chairman, Haridwar Roorkee Development Authority; Swati Bhadauria, District Magistrate, Chamoli and the then Chief Development Officer, Haridwar; Manjunath TC, Superintendant of Police(Crime & Traffic) shared their insights and unique perspectives during sessions like 'Experiential Learning from Kumbh Mela Cities & The Best Practices'; 'Innovative Infrastructural Development for Urban Areas-(Transport & Mobility, Sustainable Energy and Housing)'; 'Ensuring Health, Hygiene and Effective Sanitation During Kumbh'; 'Ensuring Cashless Kumbh through Innovation in BFSI Sector', etc.

To present the international perspective on mega events like Kumbh Sachin Gaur, Project Coordinator, India EU Cooperation on ICT- Related Standardisation, Policy & Legislation and Harshita Bhatnagar, National ICT Expert, Asian Development Bank also participated in the summit.



TRIVENDRA SINGH RAWAT CHIEF MINISTER, UTTARAKHAND

The way in which we are preparing for Maha Kumbh in 2021, we take it as a challenge as well as an opportunity to serve millions of people. People come to Kumbh to attain salvation. We have started the preparation in time. All the experienced officers and people are providing valuable feedback to make he event a great success. Water flowing in the nullahs will be properly treated before it reaches the River Ganga. The Chandreshwar nullah of Rishikesh, has been cleaned and now people take selfies there. Scientists from Netherlands were called in for revamping it. We want to complete the cleaning of nullahs latest by January, 2019. We are also developing a plan whereby stray animals will not be allowed to roam freely.

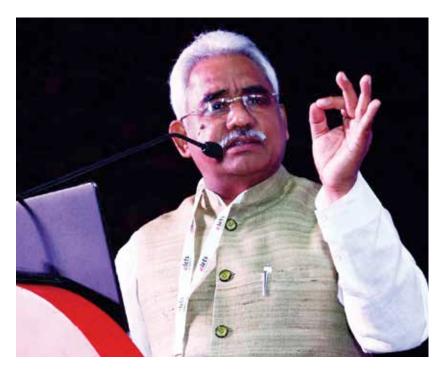




CM Trivendra Singh Rawat inaugurating the summit by lighting the ceremonial lamp



The Chief Minister along with other distinguished dignitaries at the summit.



MADAN KAUSHIK Urban Development Minister, Government of Uttarakhand Security should be the prime focus for any Kumbh, especially during the Shahi Snan. To make the Bairagis and Sanyasis bathe at the same time is also a very big challenge for us. Crowd management, managing the two sects of saints are some of the biggest challenges for us. Haridwar city is stretched for 8-9 kms along the River Ganga and we have to make all the preparations in this small area. We took lessons from Allahabad and now want to shift our Kumbh venue towards Bijnor road. We will start preparations for the same in the next few months.

The Kumbh Mela of 2010 was a great success for us. At any given day, 1.68 crore people were present during Kumbh. Crowd management was a big challenge for us. Maha Kumbh of 2021 will be a bigger challenge for us. Haridwar will definitely benefit from the best practises being followed by other Maha Kumbh cities. We need to make the local shopkeepers touristfriendly through awareness campaigns because this will help in improving the image of Haridwar worldwide.



ADESH CHAUHAN MLA, Haridwar





In the last Kumbh, during any given day one crore people were in the vicinity of Har Ki Pauri. During such events, the biggest challenge for the administration is to divert people from Har Ki Pauri. For this, we have built a number of ghats. We would like to reserve an area of 20 acre as the Mela ground area. The Ministry of Railways is also constructing a double railway line making a double line in Haridwar before Maha Kumbh 2021. We have also completed a Detailed Project Report for the construction of a Ring Road around Haridwar which will facilitate people who want to go to Kumaon, Garhwal and other such places from here.

DEEPAK RAWAT

District Magistrate, Haridwar



The re-development of Pantdweep Park has been approved at a cost of Rs 56 crore. We are developing it on the theme of Garden of Five Senses. The key developments of Kumbh 2021 will be displayed on LED. We have also planned a parking lot in Pawan Dham which can be used to park more than 1,000 vehicles. A multilevel car parking in Pantdweep and a nature trail have also been planned. We have also proposed the redevelopment of Triveni Ghat at Rishikesh. We have digitised the land records. All illegal construction enforcement records have also been digitised.

NITIN BHADAURIA

District Magistrate, Almora and the then Vice Chairman, Haridwar Roorkee Development Authority



Under Bhagidari project, we were able to do work in the area of Solid Waste Management, introducing e-learning classes in 35 schools and build schools infrastructure, etc. Schools lacking sufficient teachers are being given e-learning classes. For student, dropout surveillance, we took the help of Pragati portal. E-Anganwadi register was created to check the vaccination, malnutrition level of the students, etc. Supervisors can now feed the data in mobile app. We have started a Prerna-A Free Coaching Centre in Haridwar, for skill development and career building. Career guidance booklets were also created.

SWATI BHADAURIA

District Magistrate, Chamoli and the then chief development officer, Haridwar

INDUSTRY PRESENTATIONS



We have developed a city-based mobile app for Haridwar and will implement all the relevant suggestions in the app. We will facilitate cashless transactions in a time bound manner. Our Paypro cashless solution will take customers to the cashless transaction page. It is a single-window payment system. We are working with the Government on Easy Pay online-a multi payment online system. During last Maha Kumbh, we provided a mobile ATM van to facilitate cash transactions. In Ardh Kumbh, 2016, we introduced bio-toilets under our CSR initiative.

AKGUPTA

Senior Vice-President & Circle Head, Axis Bank



The focus should be on building a smart and digitised State instead of one particular city. The solutions can be customised as per the requirements of the city. The rejected number of people to visit Hardiwar during Kumbh in 2021 is 90 million. There will be challenges like cash liquidity, cash management, security threats and tax calculations. We propose a smart wallet which can be called Uttarapay. This will allow people to do transactions without notifications. The payment at the stores can be done by scanning of QR code. It will have mobile bill and top up payment service, money transfer service through mobile and the facility to make donations, etc.

PANKAJ KUMAR

CEO, MSS Payments



For cities like Haridwar, we are planning a Smart Streetlight system. In this system, every streetlight will be connected to each other. This system will work on radio frequency and will also capture the real time data of energy, theft, etc. The whole system would be scalable, should be user friendly and flexible. The LED lights can be dimmed according to the required illumination level. Every streetlight can be viewed on the Google Map also. This system will save 80 percent of energy and it is theft protected and alarm based.

KUMAR GAURAV AGARWAL

Assistant General Manager, Halonix Technologies Pvt Ltd



Johnson Controls has 130 years of innovations. Our integrated safe city solutions reduces all kinds of crimes. Our solutions can also help control traffic situations. For ensuring safety in a city, CCTV cameras serve as additional eyes of the city. Proper analytics of the data is also required. Bandwidth of the network and the connection of the feed is also important. A proper Command and Control Centre should also be there and traffic management system should be present. Physical security with an integrated system is the need of the hour in important events like Kumbh.

PRASUN TALUKDAR

Director-Key Verticals and Strategic Projects, Johnson Controls





In Haridwar, we can engage engineering students and create a competition wherein they can come up with state-of-the-art solutions for Kumbh. You can also have students as digital volunteers who can serve in the taskforce for the Kumbh. Building a platform for Kumbh can be uilised for creating jobs in the country. Picking up a problem with the help of institutes and giving it to students for solutions can solve a lot of Kumbh problems. A positive competition amongst the multi-nationals can be created to support innovations.

SACHIN GAUR

Project Coordinator, India EU Cooperation on ICT



ADB offers distance learning courses in English and local language at low cost which can be pursued easily by anyone. Courses related to eco-tourism can be beneficial to the youths of Haridwar. They can be trained in managing hygiene during the mela. The second part of this research and development wing is the e-commerce portal where villagers can sell their products and get exposure in international markets. This can be utilised during the Kumbh as well. Telemedicine cards by ADB can be introduced during the Kumbh and doctors can be roped in from other states so that pilgrims don't face the shortage of doctors.

HARSHITA BHATNAGAR

National ICT Expert, Asian Development Bank



Experiential Learning from Kumbh Mela Cities & The Best Practices

A lot of innovations have been introduced for the next Kumbh in Allahabad. For example, online monitoring system has been introduced through which even Chief Minister can monitor through CM Dashboard. Our target is to complete all our pending works by October, 2019. We have also hired a third party to do inspection of all the projects. We are developing a new terminal for pilgrims. Inland authority will also develop five jetty spots for Allahabad. The Government is also building 10 different bridges to improve connectivity of Allahabad.



DAYANAND PRASAD Additional District Magistrate, Allahabad

Innovative Infrastructural Development for Urban Areas-(Transport & Mobility, Sustainable Energy and Housing)



The session deliberated on urban mobility and smart transport



Smartness is linked to happiness. People should praise the city and the State after leaving the Kumbh. We need to develop the basic infrastructure of any city before we can move to innovative infrastructure. We can use sensorbased LED, powered by Solar Energy which can turn off automatically.



The Municipal Corporation of Aligarh has bagged the first prize in Innovations in this year's Swachh Sarvekshan Best Practises in Solid Waste Management. We are reusing 100 percent of our solid waste. From the bio degradable part of this waste, we are making compost. Rest of the waste is used for making RDF.

AVNISH KUMAR SHARMA

Commissioner, Moradabad Municipal Corporation

SATYAPRAKASH PATEL

Commissioner, Aligarh Municipal Corporation



Maha Kumbh is an opportunity to report zero fatality during the mega event. We have identified the black spots in Panchkula, where more than two accidents have happened. We have identified the reasons behind it. We have done traffic calming, and are redesigning the rotaries. We have also started using speed tables. The Geometric mapping of the roads is very important. Modern roundabouts are about to come. Latest CCTVs will be installed in every part of Municipal Corporation.

RAJESH JOGPAL

Commissioner, Panchkula Municipal Corporation



We planned to have a GIS-based crowd management system. We used a solution of IISC, Bangalore for real time data collection. For the pilgrims, we devoted 24X7 cleaning staff, and built of 50,000 toilet units in the mela area. Drinking water was supplied 24X7 and 1,000 temporary water huts were also erected. Makeshift hospitals were built. More than 300 e-rickshaws were also deployed. For monitoring mechanism, standup and weekly meetings were conducted. More than 28 departments and 12,000 personnel were employed during the Kumbh.

MAYANK NARAYANE

Coordinator, Simhasth Kumbh Mela Authority, Government of Madhya Pradesh



It is a very good initiative by the Government of India to develop Smart Cities. They have the potential to become internationally acclaimed cities. For the first time in 2015, we developed the Uttarakhand Capital Region Plan. We prepared similar developmental plans for Rishikesh and Roorkee. We did some projects for Kumbh also.



The colleges of Uttarakhand are contributing to the progress of the State. As an educational hub, Uttarakhand draws students from the entire country and many Asian and African countries. The State generates significant amount of revenue for the country. We have developed enough infrastructure to keep the youth of Uttarakhand in the State itself and for that agriculture needs to be developed in the right manner. In the plains of Uttarakhand, market places can be created for the agriculture sector.

UTTAM KUMAR

Planner and Architect, IIT Roorkee

MAJOR GENERAL PROF O P SONI

Director General, College of Engineering Roorkee



Session on Experiential Learning from Kumbh Mela Cities & The Best Practices

Securing Kumbh by Smart Policing - Overcoming the **Present Day's Security Threats and Challenges**



The land in Haridwar is limited, while the population is growing exponentially. Technological advancement has greatly helped the Kumbh administration. CCTVs have greatly helped us in managing huge crowds. Through drones, we can now have aerial views of different locations. We are now looking for crowd management solutions like Artificial Intelligence which may help us, in say, pinpointing suspects in a crowd. Also, when mobile network iams, we find it difficult to communicate with each other in times of distress, but we need to find a solution for this problem. Ring Road in Haridwar will certainly help the Police and citizens alike.

ASHOK KUMAR

Additional Director General of Police, Uttarakhand



For a mega event like Maha Kumbh, planning needs to be done like 4-5 years in advance. We have invited educational institutions to come up with ideas for organising a well-managed Maha Kumbh. All the local institutions have been empowered to innovate. We are looking forward for an innovation incubator. We would also like to build an ICT highway.

MANJUNATH TC

Superintendent of Police (Crime and Traffic), Haridwar



It is our duty to provide security to Kumbh pilgrims. We need solutions like a photo scanning system which can trace a person in a big crowd.

KRISHNA KUMAR V

Senior Supritendent of Police, Haridwar

Ensuring Health, Hygiene and Effective **Sanitation During Kumbh**



Water vending machines can help us in reducing waterborne diseases. There should be composting toilets for large gatherings and festivals. We have to have a robust methodology of solid waste segregation, transportation and storage. We need to inform people that clean hands can save 40 percent of lives in mass gatherings. There are success stories in Ujjain and Allahabad Kumbh. Sanitation challenge should be made a competition for the local authorities.

DR NARINDER SINGH BHATIAL

Programme Manager-Quality Assurance, National Health Mission, Department of Health & Family Welfare, Government of Jammu & Kashmir

Ensuring Cashless Kumbh through Innovation in BFSI Sector



We provide space to vendors and provide them temporary accommodation in shelters. We can also provide a finger ring which can be used for identification and georeferencing. The chances of losing this ring is also very low. It contains ID and is helpful even for police to identify a vendor's identity.



Special cards can be launched for Kumbh. We can promote payments through debit cards. Customised special payment initiatives can be launched for Kumbh. We can also provide a facility through which people can collect cash by swiping their cards. We have to have a mandate that the Kumbh will be entirely cashless. We have Point of Sale swipe machines installed already.

DR TANZEEM ALI

Chief Finance Officer, Haridwar Roorkee Development Authority

AMAN AWAL

Cluster Head, HDFC Bank



We need to track the number of people coming to Haridwar for Maha Kumbh. We an install GPS on our ATM cards.



DR BRIJESH K UPADHYAY

System Administrator, Haridwar Roorkee Development Authority

























The Uttarakhand CM awarded Allahabad Municipal Corporation for their initiatives and innovations in the urban sector



Simhasth Kumbh Mela Authority, Government of Madhya Pradesh being felicitated by CM



Rajesh Jogpal, Commissioner, Panchkula Municipal Corporation being felicitated at the Innovation Summit, Hardiwar



Aligarh Municipal Corporation awarded by CM



Haridwar District Administration being felicitated by CM







ORGANISER

POWERED BY





Elets expresses its gratitude for making Innovation Summit, Haridwar a grand success!







SWATI BHADAURIA District Magistrate, Chamoli and the then Chief Development Officer, Haridwar



Our Partners

Presenting Banking Partner

Digital Payment Partner

Banking Partner

Lighting Partner

Supporting Healthcare Partner











Supporting Mobility Partner













Supporting Waste Management Partner



Supporting Banking Partners





Our Initiatives













