1st WEB TALK IN CIVIL ENGINEERING

GEOSPATIAL TECHNOLOGIES TRANSFORMING COVID 19 MANAGEMENT

Date & Day : August 6, 2020 (Thursday)

Time : 3:30 PM onwards.

Through Webex

Mr. Rajesh Mathur
Director
ESRI India Technologies Ltd
Profile:
Director on the Board of Esri India Technologies Ltd., a subsidiary of Esri, Inc. USA
Mr. Mathur is an Electrical Engineer from IIT Delhi has been associated with the IT industry both in India and overseas for more than 30 years.
He is past President of Association of Geospatial Industries (AGI). He is also former President of Indian Society of Geomatics (ISG) and was honored with ISG Fellowship in the year 2012. He is also Adviser to FICCI Committee on Geospatial Technologies.
He has been honored by the India Geospatial Forum by conferring Lifetime Achievement Award in year 2012 .
He is also a fellow of the Indian Society of Geomatics.

ABSTRACT: COVID 19 is creating massive public health challenges on a global scale. Virtually no country has remained unaffected by the pandemic. It has also created an economic crisis caused by extended lockdowns leading to complete closure of all economic activities. As the governments across the world respond to the challenge by trying to contain the spread and also augment healthcare infrastructure geospatial technologies are playing an enabling role in this effort.

GIS is helping in geographically visualizing the spread of the disease, identification of containment zones and mapping the location of hospitals along with capacity in terms of beds and staff. GIS based dashboards provide real time information on number of persons infected location wise, deaths and recoveries, healthcare capacity utilization, et al. Location based analytical capabilities of GIS provide decision makers deep insight into the ground situation including trends and patterns, time series maps and heat maps among others which help in capacity planning and augmentation as the situation demands.

In India GIS is being used extensively by various stakeholders engaged in COVID 19 response and management including municipal corporations, health departments, disaster management authorities among others. Enterprise GIS platforms are facilitating collaboration between various agencies, sharing of geospatial data and best practices, building models and hosting dashboards. Mobile based applications are enabling government authorities to communicate critical information to the citizens like location of testing centres, hospitals and containment zones.

In summary geospatial technologies are providing framework and process for COVID response – data driven and science based.

Dear Colleagues and student,

The pandemic COVID 19 has brought about a massive change in the lives of human beings and others. During these stressful times, we have learnt to built a world of resilience and self sufficiency. The factor of unknown is quite fearsome, yet the quest for knowledge goes on. Similarly, the world of technology has kept its pace. One such area is Geospatial Technology. Dissemination of knowledge acquired through this technology needs to shared.
Keeping mind the 1st Web Talk in Civil Engineering has been organized through Webex. One of the lead personality in the industry, Mr. Rajesh Mathur, Director, Board of ESRI India Technologies has kindly consented to deliver a talk on " Geospatial Technologies Transforming COVID 19 Management". The talk will be held on Thursday, August 6, 2020 at 3:30 pm through webex. An invitation has already been sent across the Institute. Also those interested are requested to attend especially, students and research scholars.

The details of the webex meeting are given below:
Meeting link:
https://iitroorkee.webex.com/iitroorkee/j.php?MTID=m73e5b9d202775280ab9caa53b3b8eed0
Meeting number: 166 230 0893
Password: BeyMXmsB862
Host key: 516615
Those who did get the invite may use the above information to join the meeting.
Looking forward to an active participation across the Institute.

****
Sanjay Kumar Ghosh
Head,
Department of Civil Engineering
IIT Roorkee
Roorkee 247667
web http://civil.iitr.ac.in
Tel: +91-1332-285219 (o), 285463(o)
Mob no. 9837090126