

Mobile Application 'IITD Aab Prahari'



UNDER an international collaboration between the Foundation for Innovation and Technology Transfer (FITT) at IIT Delhi and the UK Research and Innovation (UKRI), a project named 'Water Security Hub' was started in the Department of Civil Engineering (IIT Delhi) to develop new approaches to tackle the challenges and barriers to water security and sustainable development in the National Capital Territory (NCT) of Delhi. The project is funded by the UKRI through the Global Challenges Research Fund (GCRF). Moving ahead, the Water Security Hub project has launched a mobile application named "IITD Aab Prahari" to address waterlogging issues in urban areas during the monsoon. The app is available on Google Play and very soon will be available on iOS app store also.

Source: Press Release, IIT Delhi

IIT Madras Students unveil its first Electric Racing Car



IIT Madras Students launched the first electric formula racing car to come from the institute during an event on the campus on 28 November 2022. Built completely by students Team Raftar, the formula car 'RF23' is the result of a one-year-long process in which the team undertook the Design, Manufacturing, and Testing. In terms of performance, the students expect to see significant improvements in speed and lap times compared to the earlier Internal Combustion Engine model due to the higher power delivered by an electric drive.

Source: Press Release, IIT Madras

Low-cost sensor records the level of rivers



Image credit: Makan Karegar/University of Bonn

RESEARCHERS at the University of Bonn have developed a method that allows the water level of rivers to be monitored around the clock. The cost-effective sensor is for instance suitable for area-wide flood warning systems. The study has been published in the journal *Water Resources Research*.

Source: Press Release, University of Bonn

Self-powered ingestible sensor

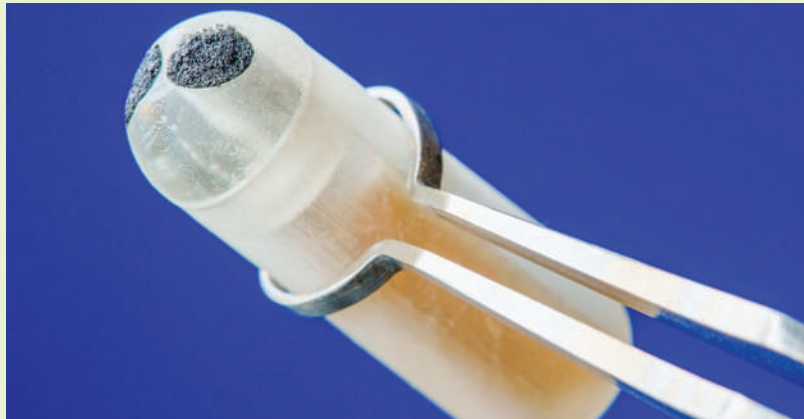


Image credit: Photo by David Baillot for the Jacobs School of Engineering, UC San Diego

UC San Diego engineers have developed a battery-free, ingestible biosensing system that monitors the intestinal environment continuously. It allows scientists to monitor gut metabolites in real-time. As a result of this technological integration, we may gain a deeper understanding of intestinal metabolite compositions, which play a crucial role in human health. The study was published in the journal *Nature Communications*.

Source: News, UC San Diego