

# BYTE QUEST

Vasavi College Of Engineering

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Byte Quest is the article published by CSE department of Vasavi College Of Engineering regarding the latest innovative Technologies and Software that have been emerged in the competitive world. The motto of this article is to update the people regarding the improvement in Technology. The article is designed by the active participation of students under the guidance of faculty coordinators.

- Good ,bad or indifferent if you are not investing in new Technology, You are going to be left behind.

-Philip Green.

- Once a new technology rolls over you, if you're not part of the steamroller, you're part of the road.

-Stewart Brand.

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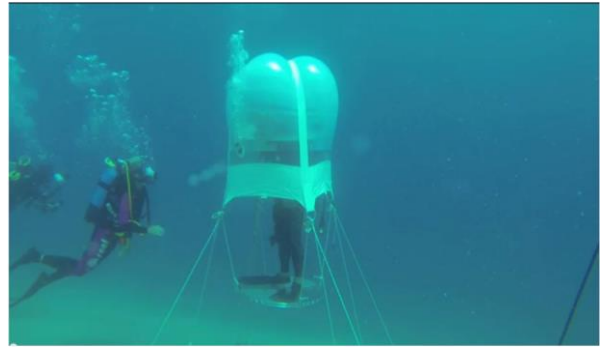
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## UNDERWATER GREENHOUSES OFFER CREATIVE SOLUTION TO FOOD CRISIS

For the past few years, from May-September, a few small transparent enclosures pop up on the seafloor off the coast of Italy. The structures are underwater greenhouses, anchored 20 feet below the surface of the water, filled with air and small amounts of crops. Unlike land based gardens, there are no pests—the only animals seen in this garden are some seahorses, crabs, yes and octopuses.

In the meantime, the crops of basil, beans and strawberries have been too small for anything more than large beans and strawberries have been too small for anything more than large bowls of



pesto. But that sounds good too.

**SAI TEJA (CSE-B 3/4)**

## SOFTWARE LINKS SHOE PRINTS TO CRIME SUCCESS



Criminals should start investing their ill-gotten gains in a new pair of kicks. That's because computer scientists have just got a lot better at linking the prints of well-worn shoes back to their owners. With each step you take, you should not only leave an impression on your nearby place

like your surroundings, but you also affect the sole of the shoe itself. This can be just the wearing of the treat caused by your weight and walking gait or it can be something as distinctive as a slash or puncture.

To test the system's reliability, Tang compared 300 real crime-scene prints and tried to match them with a database of 2,660 known prints. Tang says the principles underlying in his method could also be applied to other forensic problems, such as handwriting or car tire tread analysis.

**K.SRIKANTH (CSE-B 3/4)**

## 'SMART' HELMET STARTUP WINS WEARABLE TECH AWARD AT SXSW 2014



AUSTIN, TEXAS — A company that makes augmented-reality motorcycle helmets was named the best wearable technical company at a competition here at South by Southwest Interactive festival Sunday night.

A total of 48 startup companies competed six categories including wearable Technology entertainment, enterprise data, health, social and innovative world technologies.

The other finalists in wearable tech were Toronto-based Bionym, developer of the "Nymi," a fitness tracker that measures the wearer's unique cardiac rhythm to confirm their identity, and Netherlands-based Pauline van Dongen, a fashion designer developing solar cell- integrated garments.

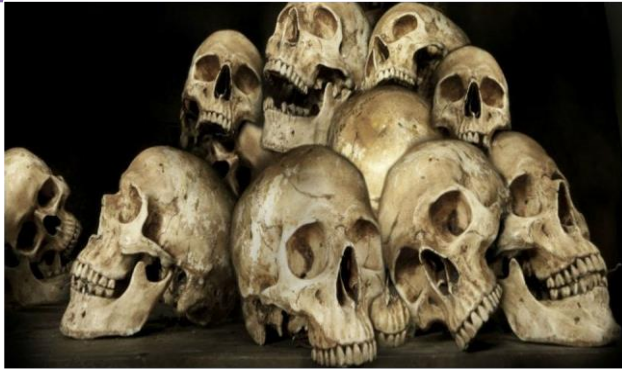
Computer technology company Oracle sponsored the events. Startups pitched their products to judges from venture capital, industry and the media.

Three teams were named finalists in each category and the winning teams each took home \$4,000.

The winner of the wearable category was the Silicon Valley startup Skully Helmets, creator of an augmented-reality motorcycle helmet. The helmet has a 180-degree rear-view camera that projects images to a transparent headset display, so the driver's eyes can see around them in every direction, who never have to leave the road ahead.

YOGESH (CSE-B 3/4)

## HERE'S WHY CARBON EMISSIONS WILL SOON MAKE IT HARDER TO SOLVE MURDERS



If you're a fan of murder mysteries or forensic detective dramas, you'll know that carbon dating is a crucial way of figuring out just how old those faded bones buried a way out in the woods actually are. But a researcher in the UK has pointed out a rather large problem: because of increased levels of carbon in our atmosphere, the organic tissue

attached to humans and animals is appearing to be older than it really is. By 2050, she says, new clothes could have the same radiocarbon date as clothes that are 1,000 years old, if fossil fuel emissions are not checked. From dating, archaeological digs to uncovering art fraud, this poses a serious challenge for forensic scientists.

"If we have reduced fossil fuel emissions, it would be good news for radiocarbon dating."

P.AMULYA (CSE-A 2/4)

## INTERNET OF THINGS WILL BRING PROMISE AND CHALLENGES BY 2025

Experts predict the future Internet of Things will bring changes in a wide variety of areas.

Experts say wearable devices will become even more ubiquitous, providing a link to the Internet and a way to track activity, health and fitness. Some say the constant monitoring has the potential to vastly improve health care. Smart homes will enable residents to control their environment remotely, whether it's the temperature or the sprinkler schedule and sensors will detect security threats or broken appliances, according to the report.

Meanwhile the experts warn that the environmental monitoring

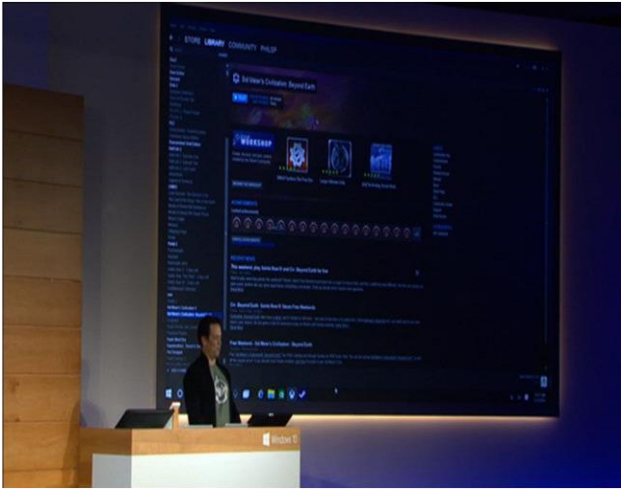


will provide real-time information about land, ocean or air quality, soil moisture or mining, with the ability to alert authorities to any problems.

But the future isn't all cheery and bright.

N.KIRAN (CSE-B 3/4)

## IMPROVING PC GAMES WITH XBOX



Microsoft also bolstering Windows 10 gaming chops by deeply integrating Xbox capabilities into the operating system. A new Xbox app essentially looks like a more fully fleshed-out version of SmartGlass, letting you chat with your Xbox Live pals, view your achievement information or access game DVR clips. The app also lets you like, share, and comment on game clips.

But Windows 10's new gaming chops is about more than merely expanding Xbox's footprint. While you are playing traditional PC games, let it be in Steam or otherwise a new *Windows key + G* keyboard shortcut brings up an interface for saving snapshots and 30 second video clips of your adventures, which then brings you into the Xbox app to share them. Games don't directly have to support the functionality as it's being overlaid directly by Microsoft in Windows 10.

**ANJI REDDY(CSE-B 3/4)**