

VIBRANCE

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How technology is changing the way we eat

"Creativity is often considered as the pinnacle of human intelligence so that sounded like an interesting challenge," said Florian Pinel, a senior software engineer at IBM.

The Cognitive Cooking version of Watson uses three criteria to devise the recipes:

1. **Surprise** - How similar the recipe is to others already out there
2. **Pleasantness** - How good the dish is likely to taste and smell
3. **Pairing** - How well the different flavour compounds in the dish will work together

A new generation of foodies

Technology has always played with our food. When chrome-clad homes of the future began turning up in newsreels of the 1950s and 60s, technology was the avatar of progress - what a brave new world awaited us if the cutting edge of science could even revolutionize the humble kitchens. Today in the West, cooking is seen as part chore to be automated, part symbol of affluence or otherwise. Still, technology plays its part in how we prepare, eat and enjoy our food. While we may have long been happy to hand over the grunt work of food preparation to machines food processors have been around since the 40s, and their predecessors the food mills for centuries more soon, it looks like they'll not just be doing the dull stuff we don't want to, but helping us execute our more creative culinary visions.



Tablet table service

What looks to be the biggest rollout of tablets in the food industry was announced last year by US chain Applebee's, which has over 1,800 outlets in the country. By the end of 2015, the company expects to have 100,000 tablets installed in its restaurants, where diners will be able to add extra dishes to their orders, play games, and pay for their meals via the Intel-powered devices on their tables.

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According to the company, a pilot of the tablets led to "significantly reduced transaction times for guests." Applebee's is now planning to rollout the tablets "aggressively" over the year, though there is no hard details on the deployment timetable yet.

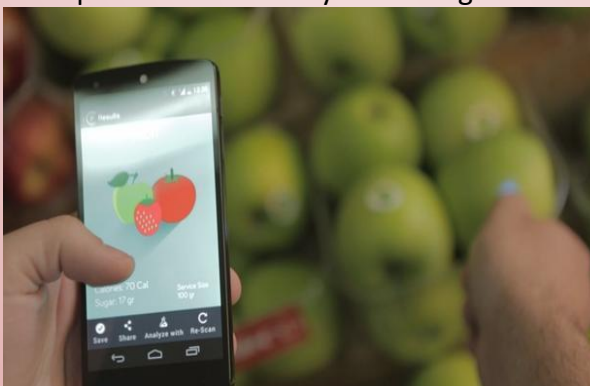


Restaurants are using tablets to assist waiters with ordering, tab payments.

It is not just chains that are investing in the technology. Asian-fusion restaurant Inamo, which has two locations in London, has had a human-free ordering system since it opened in 2008. Diners can order food and drinks by way of a mouse-pad built into the tables. Using overhead projectors, guests can scroll through pictures of dishes, place their orders, request the bill, and even play a game of Battleship against their dining companion.

From farm (to cloud) to fork

An increase in 3D printed food tailored to consumers on a very precise level could also be beneficial to individuals' health in a more simple way: by allowing them to keep tabs on what they are eating.



The SCiO food scanner connects to a smartphone and shows data about the makeup of food.

Data from 3D printed food could enable users to build up a day-to-day picture of the micronutrients and calories they've taken in, helping with monitoring of health conditions like diabetes as well as offering a tool for weight control. Until the technology becomes both more sophisticated and more widespread however, there is no shortage of companies offering apps for the same purpose.

Other more familiar technologies are also encroaching into our meal times. While cafes have been quick to offer Wi-Fi, restaurants are being encouraged to do the same.

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**Automobile companies to use wearables to improve health and safety in cars**

The explosion of interest in wearable computing is one of tech's fastest rising trends. While big moves from Google, Apple, and Samsung will likely attract a lot of attention, Ford is going to examine the broader potential that wearables hold for driving innovation in business.

Vehicle Design and Infotronics application in the car will eliminate one of the problems that automobile companies always felt in terms of how do they get biometric information from the driver? They want it to be continuous and transparent to the driver. Wearables can solve that problem."



Ford has considered a number of options for getting this biometric data from the driver in the past, including possible wristbands or headbands, but the company doubted that many drivers would wear them. However, the equation changes if people start voluntarily wearing health monitoring devices that Ford can connect to and integrate into the car's information systems.

Jim Buczkowski, Ford Technical Fellow and Director of Electrical and Electronics Systems, also emphasized that health monitoring can allow vehicles to better understand their drivers and adjust the way the vehicle reacts and relays information. Using heart rate monitors, the vehicle can tell if you're stressed. Using cameras or other sensors, it might be able to tell if you're tired.

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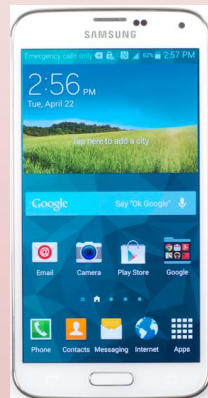
Top Android phones for the enterprise

Although it met a slow start with business customers, Android is taking off with the enterprise. Here are some of the top Android phones that have been used in the enterprise.



HTC Evo 4G

The HTC Evo was one of the earliest phones with 4G availability. The phone shipped with Android 2.1 with HTC Sense, which many reviewers felt made the phone more user-friendly, especially for enterprise users. It had terrible battery life..



Samsung Galaxy S5

While the S3 and S4 were good phones for business users, the Galaxy S5 has added some features that make it one of the best Android business phones available. The bigger display and longer-lasting battery make it more user-friendly, while the fingerprint scanner is an added security feature.

Motorola Moto X

While the Moto X offered a broad range of personalization for consumers, it saw success with the enterprise as well. Great voice controls and a hearty battery life made this phone a good option for professionals.

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HTC One M8

The HTC One M8 definitely wins points for its sleek aluminum design, but it offers great features as well. The combination of Android Kit Kat simplicity and the updated HTC Sense UI made this phone a powerful, easy-to-use option for getting things done.



Galaxy Note 3

The Samsung Galaxy Note 3 took off with business users for its good resolution screen and S Pen stylus. Additionally, an infrared port for connectivity, a microSD slot for extra storage, and a removable battery made this phone a popular choice among power users.



Google Nexus 5

The Google Nexus 5 offers top tier features at a low-end price point, making it perfect to deploy with a field team. Call quality is top notch, the battery life is long, and the Google Apps integration is seamless. As an unlocked device not tied to a carrier, it also has the MiFi-like tethering option without any exorbitant add-on charges from your carrier.



Placement Quiz Series

Solve the questions based on DBMS :

1. command is used to customize or alter the environment of SQL *Plus.
2. Is the following syntax correct?
SELECT Column1, Column2.....
From Table
Where Column1 & Column2....
3. Which of the following keywords is the correct syntax for using the TO_DATE function?
 - a) TO_DATE ('Date_String', Date_Format)
 - b) TO_DATE ('Date_Format', Date_String)
 - c) DATE ('Date_String', Date_Format)
4. Which statement is used to make the changes made by executing the SQL statement permanent?
5. The PUT_LINE procedure automatically appends a newline marker to the buffer (T/F)?
6. What is the maximum length of an error message in PL/SQL?

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Answers will be published in July, 2014 issue



Answer to last Placement Quiz Series

1. Metadata
2. Abstract entity
3. 03
4. Update
5. 3NF
6. Consistency
7. Result equivalent

Announcement and Contact Details

VIBRANCE is an E-magazine of Department of I.T, I.T.S, Ghaziabad. We look forward to the contribution from our students, alumni, faculty members and industry experts.

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