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FH MONDAY

16 November 2015

Apple to Start Selling iPad Pro

Apple Inc. said Monday that its new larger iPad will be available to order online on Wednesday and arrive in stores later this week.

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IPassive keyless entry driver has built in immobiliser

Atmel Corp. has introduced its next-generation 4-channel passive keyless entry (PKE) coil drivers with an integrated immobiliser base station. The Atmel ATA5291 is expandable to 8 low-frequency (LF) channels and claims to be the world's most integrated passive entry coil driver.

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Indian start-ups get funding from Cisco

Cisco's venture capital arm, Cisco Investments, has devoted funds in two early-stage start-ups, BusinessLine reported.

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TALK TO US



Toyota invests \$1B for AI, robotics research

Toyota Motor is set to establish a new company that will focus on artificial intelligence (AI) and robotics research in Silicon Valley. Gill Pratt, a Toyota advisor and former program manager at Defense Advanced Research Projects Agency (DARPA), will head the institute.

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Charge your electric vehicle with solar power at home

Fraunhofer researchers developed a home energy management system that incorporates electric vehicles into the household energy network and creates charging itineraries.

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Apple to Start Selling iPad Pro

The company added that the new Apple pencil and smart keyboard also will be available to order on Wednesday.

The iPad Pro, measuring 12.9 inches, compared with 9.7 inches for Apple's iPad Air, aims to blur the lines between tablet and notebook computers. The company hopes the product spurs sales of the tablet, which have fallen for seven straight quarters.

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The larger iPad may find an audience with businesses, which could use the new tablet in lieu of laptops. Apple has struck deals with International Business Machines Corp. and Cisco Systems Inc., two of the biggest technology suppliers to businesses.

Passive keyless entry driver has built-in immobilizer

Atmel Corp. has introduced its next-generation 4-channel passive keyless entry (PKE) coil drivers with an integrated immobiliser base station. The Atmel ATA5291 is expandable to 8 low-frequency (LF) channels and claims to be the world's most integrated passive entry coil driver.

The PKE device combines low-frequency drivers and immobiliser base station technology into a tiny QFN-49 package, essentially removing one low frequency antenna, a standalone immobiliser base station module and an external crystal/resonator. The ATA5291 allows car manufacturers to reduce their overall system cost and enables a superior out-of-band suppression to ensure a robust immobiliser operation, allowing more than 4m for the antenna harness. This extended distance gives customers the freedom to integrate it into a dedicated electronic control unit or into a body control module anywhere in the vehicle, noted Atmel

Indian start-ups get funding from Cisco

Cisco's venture capital arm, Cisco Investments, has devoted funds in two early-stage start-ups, BusinessLine reported.

The investment will come from the ₹240.9 crore (\$40 million) allocation to the India Innovation theme. Launched in June 2014, the fund focuses on three verticals, namely connected mobility, big data and Internet of Things.

India Innovation is carved out of Cisco's existing \$250 million global fund.

The networking giant has already invested in Covacsis, Mobstac, Ineda and MobiKwik prior to the two start-ups. These start-ups are developing products and solutions that are in line with the funding company's business, which include cloud, data centre, and switching and routing.

According to Joydeep Bose, managing director at Cisco Investments – Asia Pacific Japan, the company has made six investment in early-stage Indian start-ups over the last 18 months and has enough money left from the India Innovation theme to finance promising start-ups until December 2016.

Cisco has invested in 25 Indian start-ups for the past 10 years.

Toyota invests \$1B for AI, robotics research

Toyota Motor is set to establish a new company that will focus on artificial intelligence (AI) and robotics research in Silicon Valley. Gill Pratt, a Toyota advisor and former program manager at Defense Advanced Research Projects Agency (DARPA), will head the institute.

Toyota announced the plan at a press conference, and said it would make an initial investment of \$1 billion over the next five years to create and staff the new organisation, called the Toyota Research Institute (TRI). It will have its headquarters near Stanford University in Palo Alto, California. A second location is planned near MIT in Cambridge, Massachusetts. The new company will begin operations in Jan. 2016, and plans to hire 200 staff members.

Charge your electric vehicle with solar power at home

Fraunhofer researchers developed a home energy management system that incorporates electric vehicles into the household energy network and creates charging itineraries.

The house of the future is environmentally friendly, energy-efficient and smart. Its inhabitants can utilise rooftop-generated PV energy not only for household consumption but also to charge their personal electric vehicle. This scenario has already become reality for a collection of row houses built according to the "Passive House" standard in the German city of Fellbach in Baden-Württemberg.

The group of new homes was upgraded as part of the "Fellbach ZeroPlus" project to include electromobility enhancements as well as a comprehensive energy management system. The initiative is sponsored by the German Federal Government's "Electric Mobility Showcase" programme.