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RAJENDRA MANE COLLEGE OF ENGINEERING & TECHNOLOGY, AMBAV, DEVRUKH.

Vol : 4

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Dec, 2012

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From Editors Desk

Welcome to our third edition of Pixel.

Remember no matter what..

How good it is or How Bad it is.

It won't last...

'Life is forever changing'.....

This too shall pass away

We invite to all our readers to join us.



Looking Ahead

- Prof. Laxman S. Naik have published paper on "**Android Application to get Word Meaning through Voice**" in International Journal of Advanced Research in Computer Engineering & Technology.
- Prof. Khochare N.R. have published survey paper on "**NetSHIELD: counter measure tool for network layer attacks**" in International Journal of Advance research in Computer Science and Electronics Engg. on 28th Oct.2012.

Article on Technology and Innovations

Ion Proton System

Human-scale genome sequencing just got a whole lot more accessible. Twelve years ago, it cost \$1 billion to sequence a single human genome. By next year, using Life Technologies' Ion Proton machine, it will take less than a day and cost \$1,000 (not including analysis costs, of course).

Launched in September, Ion Proton is driven by the same semiconductor technology—which converts chemical information directly into digital data—that powers the successful Personal Genome Machine (PGM). For now, the Proton I chip sequences a human exome in a few hours. But in early 2013, Life Technologies will release the Proton II chip, designed to handle an entire human genome, from sample prep to full sequence, in 8 hours. The Ion Proton costs \$244,000, and each disposable one-run chip goes for \$1,000. "We've piggybacked on over a decade of investment in

semiconductor technology to bring a dramatic reduction in cost and increase in speed," says Maneesh Jain, VP of business development and marketing at Ion Torrent, the sequencing technology start-up acquired by Life Technologies in 2010. By making large-scale sequencing more widely available, this machine will enable a new era of discovery, he adds.

"This will give us the capacity to quickly go after the whole exome, whereas on the PGM we were looking at 20 to 50 genes at a time," says Christopher Corless, medical director at Oregon Health and Science University's Knight Diagnostic Laboratories in Portland, who plans to use the Ion Proton to look for mutations in tumors that can be targeted by new pharmaceuticals. "That will be a big jump forward."

Resource:<http://www.the-scientist.com/?articles.view/articleNo/33341/title/Top-10-Innovations-2012/>

Events

- ✚ One day workshop on "**Robotics**" is organized and Guest Lecture resourced by Sant.Rawool Maharaj College ,Kudal on e-week 2012[Technical Festival] during 18th Dec.2012 and coordinated by Prof. Hegishte A.U.
- ✚ Workshop on "**Ethical Hacking**" Level 1[Loophole] & Level 2[Xploit] conducted on 28th to 30th Sept. 2012 and coordinated by Prof.Khochare N.R.
- ✚ Workshop on "**Android Web Application and Game Development**" Conducted on 1st to 3rd Sept. 2012 and coordinated by Prof. Hegishte A.U. & Prof. Karnekar K.S.
- ✚ Workshop on "**Advanced Web Management**" Conducted on 4th Aug.to 8th Aug.2012 and coordinated by Prof.Parkar V.V. & Prof.Magdum P.G.

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