New Robotic Skins

NEW ‘Robotic Skins’ technology developed by Yale University researchers allows users to animate the inanimate and turn everyday objects into robots. This is made up of elastic sheets embedded with sensors and actuators placed on a deformable object — a stuffed animal or a foam tube. The skins then animate these objects from their surfaces. The robots are capable of performing various tasks depending on the properties of the soft objects and how the skins are applied.

Credit: Yale University
Source: www.sciencedaily.com

ZeeQ — A Smart Pillow

ZeeQ smart pillow is considered to be the world’s most sophisticated pillow. This pillow plays music, analyzes sleep, monitor and react to snoring as well as intelligently wakes you up. The pillow links to a smartphone app, so you can see your sleep data, including your Snore Score. The app can also help you track your diet, exercise and other habits to analyze how these factors affect your sleep, so you can make changes toward more restful slumber.
Novel Insect-Inspired Flying Robot Developed

SCIENTISTS have developed a novel insect — inspired flying robot. This flying robot improves the understanding of how fruit flies control aggressive escape manoeuvres. According to the research published in the journal Science the flying animals both power and control flight by flapping their wings. Inspired by many fruit flies, the control mechanism of robots have proven to be highly effective. The robot Delfly has a speed of 25 kilometres per hour and can even perform aggressive manoeuvres, such as 360-degree flips, resembling loops and barrel rolls.

Source: Delft Institute of Technology

GPS that can Track Tumours

SCIENTISTS have developed a wireless ‘in-body GPS’ system that can pinpoint the location of ingestible implants and track tumours inside the body. In animal tests, the team demonstrated that the system dubbed ReMix can track the implants with centimetre-level accuracy. Similar implants could be used to deliver drugs to specific regions in the body.

newsbharati.com

Portable “Tricorder” Device

SCIENTISTS from the University of Glasgow have developed a small portable device that can scan for biomarkers to quickly and easily diagnose people with certain diseases and illnesses. This is designed to help doctors track the presence or progression of an illness from just about anywhere.

Source: newatlas.com