



Tattoo Sensor for Monitoring Health

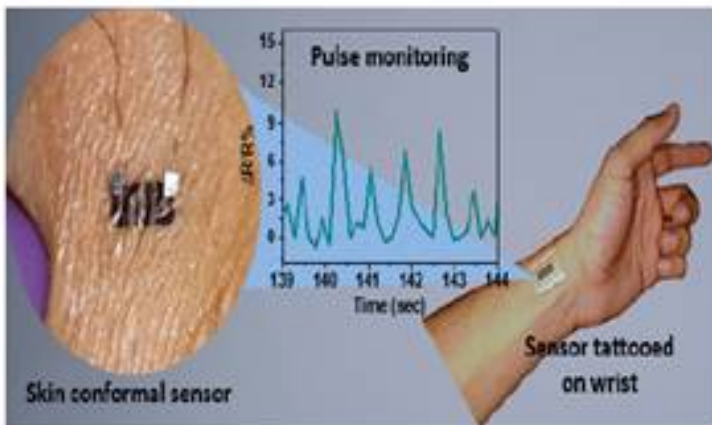
Why in News

Recently the scientists from **Indian Institute of Science, Bangalore** have fabricated a **skin conformal tattoo** sensor about **20 micrometre** thick.

Key Points

- The scientists were working on wearable sensors that can retract information from the human body using its **skin (largest organ of the human body)**.
- **Features:** The tattoo sensor promises **continuous monitoring of vital health parameters** of an individual, like pulse rate, respiration rate, and UV rays exposure, skin hydration level, glucose monitoring, and so on.
 - It is **non-invasive** and **does not interfere** with the daily activities of the user.
 - The sensor has a **fast response** and follows easy fabrication steps and can be **patterned into any shape and size using a laser**.
- **Benefit:** The sensor serves as a single conduit for sensing respiration rate and pulse, dispensing with the need of mounting multiple sensors.
 - It has the **potential to replace** rigid and bulky health monitoring devices.

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Source: PIB