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(57) Abstract :

The present invention discloses a smart time tracking device (100) for software development activities, incorporating a biometric sensor module (110), activity logger (120), classification engine (130), user interface (140), and cloud sync unit (150). The device intelligently categorizes tasks like coding, debugging, or idle states using real-time physiological and behavioral data. Integrated display (141) and voice prompts (143) offer non-intrusive interaction. The device (100) improves productivity tracking accuracy and supports cloud-based analytics for developers and managers.

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