

# **Contextual Design**

Contextual Design is a **structured, well-defined user-centered** design process that provides **methods to collect data about users in the field, interpret and consolidate** that data in a structured way, **use the data to create and prototype product and service concepts, and iteratively test and refine those concepts with users.**

Contextual Design philosophy - **understand users in order to find out their fundamental intents, desires, and drivers.**

Contextual Design has primarily been used for the design of **computer information and IT systems**, including **hardware and software**. Parts of Contextual Design have been adapted for use as a field **usability evaluation method**. Contextual Design has also been applied to the **design of digital libraries and other learning technologies**. Contextual Design has also been used in a variety of **other industries, including web applications, process reengineering, consumer product design, manufacturing, and automotive and medical device design, to name just a few.**

# **Motivations and Key Principles**

System **design must support and extend** users' work practice

A central tenet of **Contextual Design** is that any **technology, product or system** must be designed to **support and extend its users' work practice** . If it does so well, it will be accepted and valued; if it fails to do so, it will cause dissatisfaction, frustration, avoidance and workarounds

In Contextual Design, the term work practice **refers to the complex and detailed set of behaviors, attitudes, goals and intents** that characterize a set of users in a particular environment.

**People are experts at what they do - but are unable  
to articulate their own work practice**



The first is that people are **not consciously aware of their own work practice**; all of their knowledge is tacit.

The second is that **work practice is complex and varied, and that useful design data are hidden** in everyday details.

Contextual Design holds that design team members **must go into the field and observe and talk with users in their natural work or life environments - their natural contexts - in order to understand work practice.**

Implications for the designer: Use **field interviews to reveal tacit aspects of users' work practice - the motivations, workarounds, and strategies that they may never articulate, but structure their work.**

**Good design requires partnership and participation  
with users**

**Don't just observe** when you're in the field. Ask **questions and suggest interpretations** of the user's actions and motivations. **Articulate what matters about the work together.**

**Good design is systemic**

Any good design considers the system and its impact on users as a whole: the handles on a **Mini Cooper** reflect the aesthetic of the entire car; the iPhone's characteristic user interface elements (including gestures) are carried through the entire design and the apps; all parts of the amazon.com site support the focus on user interests, community ratings, related material, and easy purchase. And all pages of the site look like they are part of the site - a single page could not be changed

**Design depends on explicit representations**

Use **drawings, sketches and models to capture key design considerations** at every step of the process.



# **Description of the Contextual Design Process**



