



Human-Technology interaction: Designing a digital solution through research practices

Training Title:

Human-Technology Interaction: Designing a Digital Solution Through Research Practices

Training Provider Details:

- **Company Name:** RISOVENT LTD
- **Company Address:** White Building Studios, 1-4 Cumberland Place, Southampton, UK, SO15 2NP
- **Email:** contact@risovent.com
- [Click here to read more about the trainer.](#)

Detailed Description of the Training:

1. Training Summary

This training will equip participants with advanced quantitative research skills specifically for human-technology interaction, focusing on designing (not developing) user-centric digital solutions without coding. Participants will learn to harness quantitative methods to gather data that directly informs the creation of intuitive and effective digital interfaces. Through engaging training, hands-on prototyping sessions, and practical exercises, attendees will explore how to analyze and apply data to design (not develop) software and apps that enhance user interactions with technology.

2. Training Aim

In an era where technology seamlessly integrates into every aspect of daily life, it is essential to ensure that digital solutions are futuristic, user-friendly, and accessible. This training workshop aims to empower non-technical professionals to take the lead in technology design projects, using quantitative insights to drive the development of innovative, digital solutions. Participants will learn to create prototypes, test user interfaces via quantitative research methods, and iteratively refine their technology designs.

3. Learning Outcomes

- **Analyze and Apply Innovative Thinking:** Participants will critically analyze challenges and apply innovative thinking techniques to devise creative solutions, enhancing efficiency and effectiveness in various professional contexts.
- **Create and Sustain a Culture of Innovation:** Learn to develop and implement strategies that cultivate a supportive environment for innovation, evaluating its impact on team dynamics and organizational growth.
- **Advance Personal and Professional Development:** Gain the ability to evaluate personal strengths and weaknesses in the context of innovative thinking and create a personalized action plan for ongoing professional development focused on enhancing creativity and adaptability.

4. Overview of the Training

- **Introduction to Human-Technology Interaction (HTI)**
Summary: Explore the principles of HTI, focusing on the quantitative analysis of user interactions with technology.
- **Basics of Quantitative Research in Design Innovation**
Summary: Explore fundamental quantitative methods crucial for technology design. Learn how to utilize these techniques to enhance innovation and improve user interactions with digital solutions.
- **Quantitative Data Collection Techniques**
Summary: Techniques for designing and conducting surveys and experiments to gather data relevant to technology design.
- **Data Analysis Techniques**
Summary: Introduction to statistical tools and techniques for analyzing quantitative data, including descriptive and inferential statistics.
- **Translating Data into Design Specifications**
Summary: Using quantitative data to make informed design decisions and develop prototypes that meet user needs.
- **Rapid Prototyping and Iterative Design**
Summary: Hands-on session in creating quick prototypes to test hypotheses derived from quantitative data.
- **Quantitative Usability Testing**
Summary: Methods for quantitatively assessing the usability of prototypes and gathering measurable feedback from users.
- **Iterative Design Based on Quantitative Feedback**
Summary: Techniques for refining prototypes based on quantitative feedback, focusing on improving user interaction and satisfaction.

Pre-Contractual Information

- **Business Name, Contact Details, and Address:** As provided above.
- **Description of Services:** Our training combines lectures, interactive exercises, group discussions, role-playing scenarios, and real-world problem-solving activities to promote innovative thinking. Participants will engage in self-assessment, collaborative mini-projects, and practical applications to foster personal and professional growth. More details are available above in points 1 to 4.
- **Price and Taxes:** The total price, including all applicable taxes (if any), is detailed on our [Pricing Page](#). The service fee is transparent, and there are no hidden charges. Please note that for face-to-face training, additional expenses such as transportation and accommodation are not included and will be charged separately if applicable.
- **Payment Methods:** Payment must be made via bank transfer to RISOVENT LTD's business bank account. Account details will be provided upon issuing and sending you an invoice.
- **Consumer's Obligation to Pay:** By confirming this service and signing the contract via email, you agree to the payment terms and acknowledge your obligation to pay the total amount due within 10 days of receiving the invoice via email.
- **Immediate Confirmation:** Following your agreement to proceed, you will receive an email confirmation of your intent to engage our services.
- **Contract Delivery Timing and Procedure:** The contract will be delivered via email once the service is confirmed by email. This ensures that the contract includes all terms before any party signs. The service terms and conditions, along with the contract and any other supporting documents, will be provided to the client via email.
- **Contract Format:** Sent in a PDF or Word format that you can easily save and print.

- **Opportunity for Questions and Modifications:** We strongly encourage you to review the contract details and any supporting documents, request modifications, and ask questions before signing. Please confirm acceptance by signing the contract and returning it via email.
- **Acknowledgment of Receipt:** Required from clients to ensure you have received and understood all contractual documents.
- **Cancellation Rights:** You have the right to cancel this contract within 14 days of signing, without providing any reason. To exercise the right to cancel, you must inform us of your decision through a clear statement by filling the contact form on <https://risovent.com/contact> or by sending an email to contact@risovent.com
- **Standard Cancellation Form:** Available via email or contact form upon request.
- **Accessibility of Information:** Alternative formats of training materials and pre-contractual information are available upon request. Please contact us for more information.
- **Technical Requirements for Online Participation:** To participate in the online training via Microsoft Teams, you will need:
 - A computer or tablet with audio and video capabilities.
 - A stable internet connection.
 - The latest version of Microsoft Teams installed.
 - A compatible operating system (Windows 10 or later, macOS 10.13 or later).
 - Recommended: A headset with a microphone for optimal audio quality.
- **Complaint Handling Policy:** We are committed to providing quality services. If you have any complaints, please contact us at contact@risovent.com. We aim to acknowledge all complaints within 2 business days and resolve them as soon as possible. Please refer to our [Complaint Handling Policy](#) for more details.

- **Need to Make a Change:** If you need to make any changes or correct any errors, please contact us at contact@risovent.com
- **Duration and Termination Conditions:** The contract includes the duration of the training workshop and any agreed-upon post-training support. Either party may terminate the contract under the conditions specified in the Service Terms and Conditions. The service terms and conditions, along with the contract and any other supporting documents, will be provided to the client via email.

Certificates of Attendance:

- RISOVENT LTD provides certificates of attendance to all participants upon successfully completing the training workshop.

Contract Delivery and Client Interaction:

- **Contract Delivery Timing and Procedure:** The contract will be delivered via email as soon as possible after the service is confirmed, ensuring that the contract reflects all terms before any party signs.
- **Opportunity for Questions and Modifications:** Strongly encouraged before signing the contract. Clients can review the contract details, request modifications, and confirm acceptance via email.
- **Acknowledgment of Receipt:** Required from clients to ensure that you have received and understood all contractual documents.

Target Audience:

- **Early career employees:** For early career professionals who wants to improve their design innovation skills.
- **Frontline Service Providers:** For professionals who want to learn how to design new technologies to satisfy their customers or clients.
- **Project Managers and Team Leads:** For leaders and team members who want to learn how to design technologies that improve project efficiency and delivery.
- **Education and Training Coordinators:** For educators and trainers who want to design and integrate technology into teaching and learning environments.
- **General Staff Interested in Technology:** For any employees keen on applying technology to improve their work processes and customer interactions.

Duration and Scheduling:

- Five full days, flexible scheduling including weekends. Not available for half day training.

Training Format and Location:

- Online via Microsoft Teams or face-to-face* at the client's workplace.

Participant Capacity:

- Maximum of 30 individuals per session.

Financial Information:

- **Payment Terms:** Due within 10 days of sending the invoice via email.

Total Price:

- [Please read the price page by clicking here.](#)

Cancellation Policy:

- You have the right to cancel the service and contract within 14 days of signing, without providing any reason.

Privacy Policy

- To learn more about RISOVENT LTD's Privacy Policy, please [click here](#).

Additional Notes:

- Both Online and Face-to-face* training is available in the UK.
- Online training is available to companies in any country worldwide.
- **** For face-to-face training delivered to clients, please note that the training fee does not cover additional expenses such as transportation and accommodation.***

More Information

- For additional details, please visit the **FAQ** page on the RISOVENT website by [clicking here](#). If you have further questions, feel free to contact us at contact@risovent.com

Outline schedule – The following plan can be updated or modified

Day 1: Introduction to Human-Technology Interaction and Quantitative Research

- **9:00 AM - 9:15 AM:** Opening Remarks and Introduction
- **9:15 AM - 10:30 AM:** Introduction to Human-Technology Interaction (HTI)
- **10:30 AM - 11:15 AM:** Coffee Break
- **11:15 AM - 12:30 PM:** Basics of Quantitative Research in Design Innovation
 - **Exercise (12:30 PM - 1:15 PM):** Designing Quantitative Surveys for technology design
- **1:15 PM - 2:15 PM:** Lunch Break
- **2:15 PM - 3:15 PM:** Quantitative Data Collection Techniques
- **3:15 PM - 3:30 PM:** Coffee Break
- **3:30 PM - 4:00 PM:** Data Analysis Techniques
 - **4:00 PM - 5:00 PM: Exercise:** Hands-on analysis of survey data related to designing a technology

Day 2: Quantitative Data Analysis and Ethical Considerations

- **9:00 AM - 10:00 AM:** Advanced Data Analysis Techniques
 - **Exercise (10:00 AM - 11:00 AM):** Hands-on analysis of survey data related to designing a technology
- **11:00 AM - 11:15 AM:** Coffee Break
- **11:15 AM - 12:15 PM:** Ethical Considerations in Data Collection
 - **Exercise (12:15 PM - 1:00 PM):** Case study review on ethical dilemmas in data collection
- **1:00 PM - 2:00 PM:** Lunch Break
- **2:00 PM - 3:00 PM:** Translating Data into Design Specifications
 - **Exercise (3:00 PM - 4:00 PM):** Group activity translating survey data into design requirements
- **4:00 PM - 4:15 PM:** Coffee Break
- **4:15 PM - 5:15 PM:** Review and Q&A

Day 3: Prototyping and Testing

- **9:00 AM - 10:00 AM:** Introduction to Prototyping
 - **Exercise (10:00 AM - 11:00 AM):** Rapid Prototyping and Iterative Design

- **11:00 AM - 11:15 AM:** Coffee Break
- **11:15 AM - 12:15 PM:** Prototyping Tools and Techniques
 - **Exercise (12:15 PM - 1:00 PM):** Hands-on session in creating quick prototypes using tools like Figma, Penpot, or draw.io
- **1:00 PM - 2:00 PM:** Lunch Break
- **2:00 PM - 3:00 PM:** Quantitative Usability Testing
 - **Exercise (3:00 PM - 4:00 PM):** Methods for quantitatively assessing the usability of prototypes and gathering feedback
- **4:00 PM - 4:15 PM:** Coffee Break
- **4:15 PM - 5:15 PM:** Iterative Design Based on Quantitative Feedback

Day 4: Advanced Data Techniques and User-Centered Innovation

- **9:00 AM - 10:00 AM:** Advanced Statistical Analysis
 - **Exercise (10:00 AM - 11:00 AM):** Hands-on session with statistical software to analyze survey results
- **11:00 AM - 11:15 AM:** Coffee Break
- **11:15 AM - 12:15 PM:** Visualizing Survey Data
 - **Exercise (12:15 PM - 1:00 PM):** Workshop on creating data visualizations using provided tools
- **1:00 PM - 2:00 PM:** Lunch Break
- **2:00 PM - 3:00 PM:** Crafting and Refining Digital Solutions
 - **Exercise (3:00 PM - 4:00 PM):** Interactive design session, applying insights from data visualization
- **4:00 PM - 4:15 PM:** Coffee Break
- **4:15 PM - 5:15 PM:** Further Refinement of Digital Solutions

Day 5: Practical Application and Presentation

- **9:00 AM - 11:00 AM:** Comprehensive Hands-on Project
 - **Exercise:** Participants work on a project that involves all the skills learned from days 1-4, including survey data analysis, prototyping, usability testing, and iterative design.
- **11:00 AM - 11:15 AM:** Coffee Break
- **11:15 AM - 1:00 PM:** Finalizing Projects

- **Exercise:** Teams finalize their projects, preparing for presentation.
- **1:00 PM - 2:00 PM:** Lunch Break
- **2:00 PM - 3:00 PM:** Group activity to refine solutions based on feedback from the trainer
- **3:00 PM - 4:30 PM:** Final Projects Presentation
 - **Exercise (3:00 PM - 4:30 PM):** Groups present their projects, focusing on how quantitative data informed their designs
- **4:30 PM - 5:00 PM:** Closing Remarks and Workshop Evaluation