

SD Specialisation: Technical Interaction Design

This specialisation enables you to

- Program Android devices in Java
- Conduct UX and interaction design for contemporary and novel application areas
- Understand the basics of it-security, in particular (but not limited to) in the context of mobile devices.
- Understand the ramifications, application, UX, and interaction design for mobile app development

Career prospects

User interface and interaction design are a cornerstone of modern application development, having impact in sectors as far-ranging as designing aviation cockpit controls to minimise pilot confusion and opportunities for error, over classical desktop computing, to end-user facing web and mobile applications. Contemporary software cannot exist without these disciplines, and both consultancies, software development companies, and companies with large in-house software development employ experts in interaction design.

Prerequisites

Students are expected to be fluent programming in Java, in foundations of mathematics, and in basics of databases. Following the courses Discrete Mathematics, Introductory Programming, Introduction to Databases would satisfy these prerequisites.

In general the specialisation requires willingness to work with communication concepts. It is advantage, but not a requirement, to have an undergraduate degree in a humanities field.