

### **The template concept: Significance for medical education within the e-learning platform JaTeK**

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The e-learning system JaTeK is a java-based platform independent client server system. A serverside object oriented database provides multimedia based knowledge modules as well as a user management system. Furthermore, JaTeK offers communication, self-assessment and evaluation tools. The JaTeK client enables utilization and generation of the knowledge modules by use of a template concept. Templates are programs which provide knowledge modules with specific functionalities. Using the template concept the e-learning platform JaTeK can be adapted to meet the demands of medical education. Additional templates with specific functionalities can be easily developed and integrated into the learning environment. In the bmb+f joint project "med:u - e-learning in medical education" a number of templates with specific regard to medical science are being developed: With the template "MeasureMap" it is easy to measure distances and areas in images. The template "ImageMap" provides functions to generate and use click-sensitive images. ECG data and EEG data can be displayed and evaluated for educational purposes with the template "ChartRecorder". The template "Interactive control cycles" provides features to illustrate cybernetic interrelations, e.g. circulation system, which can be developed step by step.