



## Project Proposal for Digital Engineering Projects

-- MDS-Project--

<b>Project Topic:</b>	Developing and evaluating a Chatbot.
<b>Project abbreviation:</b>	<i>Chatbot Design and Usability test</i>
<b>Institute/ Chair/ Research Group:</b>	<b>IIKT-Mobile Dialog Systems</b>
<b>Advisor(s):</b>	<b>Jun.-Prof. Dr. Ingo Siegert, Matthias Busch, M.Sc.</b>
<b>Preferred group size:</b>	2-3
<b>Desired project period:</b>	<b>1 Semester</b>
<b>Required/Desired knowledge:</b>	<b>Knowledge in Databases, JSON, Python Programming. Principles of Dialog Management, Usability Testing</b>
Is any external affiliation involved (e.g., industrial partner, affiliated institute)?	
yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>
Which one(s)?	
<b>Project Description:</b>	
<p>General description: Based on a given Use-Case (FAQ-Bot for International Students, Chat-tool to support group decisions) you will research what information or support is necessary for possible users. The chatbot will be build in a cloud environment (google dialogflow). You will also design and implement the backend to the conversational interface.</p> <p>Project goals:</p> <ul style="list-style-type: none"><li>- <i>Evaluate Use-Case regarding beneficial application of chatbots</i></li><li>- <i>Implementation of a chatbot able to give needed information to users</i></li><li>- <i>Conduct a usability and acceptance test with testers</i></li><li>- <i>Collect feedback during development (this requires a good project plan)</i></li></ul> <p>Subtasks:</p> <ul style="list-style-type: none"><li>- <i>Identify possible topics the chatbot should cover</i></li><li>- <i>Generate the basic functionality</i></li><li>- <i>Improve functionality by incorporate typical phrases of users</i></li><li>- <i>Conduct usability tests (already in early stage → think of a good concept)</i></li><li>- <i>Include into Slack or other services</i></li><li>- <i>Make a final test which includes usability and attractiveness tests</i></li></ul>	