

# Design Document for SchoolBud

<b>Design goal</b>	<ul style="list-style-type: none"><li>• The SchoolBud chatbot aims to answer the questions that parents have regarding the elaborate school policies and enrolment process.</li><li>• The <a href="#">Victoria State Government Education and Training Website</a> specifies many zone restrictions and the policy documents are overwhelming for parents. SchoolBud would answer direct questions, gathering basic data like the parent's location, schools nearby in the background.</li><li>• With a growing number of schools in Victoria and change in school zones, such a chatbot is necessary for users of the <a href="#">education.vic.gov.au</a> website to allow users easy access to its data.</li></ul>
<b>User perceptions</b>	<ul style="list-style-type: none"><li>• The SchoolBud chatbot needs to be easily accessible to the parents.</li><li>• It should answer all the queries that the parents have regarding the school rules.</li><li>• It should provide enough information to the parents so that they can select a school for their kids that fulfils their wishes.</li><li>• It should also let parents access specific sections of the policies for better clarity.</li></ul>
<b>Functional attributes</b>	<ul style="list-style-type: none"><li>• It can answer questions regarding:<ol style="list-style-type: none"><li>1. Will the kid's school change after you move to a new zone?</li><li>2. What are the best schools in my neighbourhood and their NAPLAN scores?</li><li>3. What are the chances of getting enrolled in a school?</li><li>4. What speciality schools are available that suits my kid's interest?</li><li>5. What are the transfer policies?</li><li>6. What are the admission policies?</li></ol></li><li>• Using data collected from its users, It does demand – vacancy analysis and can inform schools about the number of people interested in getting an enrollment and help schools to manage intake.</li><li>• It can help the schools in keeping track of the enrollment queue. It can let the parents know what their chances are of their kid getting into a school.</li></ul>
<b>Tech Used</b>	<ul style="list-style-type: none"><li>• The chatbot is built using NodeJs and DialogFlow.</li><li>• It can be accessed through an app on the phone and through a chat interface on a website.</li></ul>
<b>Constraints</b>	<ul style="list-style-type: none"><li>• Availability of data regarding the zone definitions, enrolment policies and real-time school enrolment data is a constraint.</li></ul>

	<ul style="list-style-type: none"><li>• SchoolBud is made using DialogFlow which allows many different integrations and features, but it might require human intervention to answer complex queries.</li></ul>
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