



*Anywhere, Anytime
All The Time*

*Psychological
Artificial Intelligence and
Online Psychological Services*



JoBot

<https://jobot.ai>

Psychological
Artificial Intelligence

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*The Future
Arrived
Today*

Psychology Network
Pty Ltd

We are a leader in developing advanced artificial intelligence systems for psychological services in combination with online assessment and counselling by highly experienced, registered psychologists.

With psychologists in Australia, Germany, Indonesia and India, we offer new forms of Employee Assistance Programs (EAP) and flexible psychological service.

JoBot: Psychological AI



JoBot is an artificial intelligence program and is modelled on the daily psychological work of Prof Jo Diederich, a clinical psychologist in Australia. JoBot answers questions about Cognitive-Behaviour Therapy (CBT), relaxation techniques and a range of mental health issues including depression and anxiety. In addition, JoBot has background knowledge on neuro-developmental disorders such as ADHD and Autism Spectrum Disorder (ASD). Language analysis allows the user to obtain feedback on mood while using the program. Hence, it is possible for the user to track progress.

How does JoBot work?

As a heavily knowledge-based system, JoBot includes background knowledge in the form of ontologies on many subjects including neurodevelopmental issues and mental health problems. This knowledge is offered to the user in a friendly dialogue with the option to switch to a conversation with a registered psychologist at any point in time. Machine learning utilises user feedback to continuously improve the system.

JoBot explains psychological therapy as "heuristic search", a form of problem solving in AI. There is a clearly identified start state (e.g. a client with a set of symptoms) and a goal state (e.g. the client is free of symptoms). There are also means of transforming one state to another: psychological interventions.

"JoBot is a digital clone, an artificial intelligence system modeled on the daily work of a clinical psychologist in Australia. While the human original can see a few clients a day only, the digital clone can provide services to millions at the same time."



Competitive Advantage

JoBot is the only artificial intelligence system in the world that combines psychological assessment and therapy.

All interactions with a client are monitored by clinical psychologists.

JoBot allows the client to be referred to on-the-ground psychological or medical services if required.

"Your polite style is very nice." A user on 14/01/2019