

## ABSTRACT

The topic of this work is „A knowledge-base creation for choosing a profession for people with Asperger’s syndrome“.

In the theoretical part of the work I focus on description of knowledge-based system NEST, its characteristics and architecture. There are also described uniform signs and manifestations of Asperger’s syndrome.

The practical part of this bachelor thesis described a knowledge-base creation in the NEST, gradual creation of attributes and their rules, which are then used in selected model professions. The individual professions were chosen on the basis of the general characteristics of persons diagnosed with Asperger’s syndrome. I draw from professional literature and from my own experience.

## KEYWORDS

Knowledge-based systems, expert systems, knowledge base, inference engine, artificial intelligence, Asperger’s syndrome, professions, employment.