**ABSTRACT**

*(Letra 14, negrito, maiúsculo, Arial, centralizado)*

The present work deals with a research proposal, which will have as its theme expert systems and its use in epidemiological medicine; where with the development of the same one would result in the elaboration of an application (software), whose functions will involve in the combat the arboviruses. Specialist software is software designed for different purposes; so that they offer a means of automating, administering and / or digitizing, routine processes, due to this one proposes the development of an application, for the mentioned medical purposes; considering that the improvement in the fight against the epidemics of arboviruses, promote better quality of life. I tried the effectiveness and importance of computer aid in the most diverse areas; it is intended to apply such assistance in the aforementioned medical follow-up, in order to solve and / or ameliorate the problems faced by the professionals of this follow-up, such as: Difficulty in mapping the foci of the vectors; High human failure rate; High case indexes; and other problems. As briefly mentioned, it is intended to develop an application whose functionalities provide a practical, functional, and efficient solution to the problems, also mentioned above. This will be applied several of the concepts developed in the classroom in the elaboration of the proposed research, and in the creation of the application also proposed. It is intended to use the programming language Python2.7 in conjunction with HTML and Java Script; along with the MySQL relational database and the Sublime Text 3.0 IDE, in the development of the proposed application; all the tools mentioned are of the OpenSource type, which means that there will be no operational license costs.

**Keywords:** System; Specialist; Arboviroses; Medicine; Control.

*(Letra 12, Arial, justificado)*