

SUMMARY

The present investigation is a proposal which deals with the existence of a need of a didactic functional model of an Electronic Fuel Injection System in the Mechanical Automobile workshop in the Universidad Technical Del Norte. The object of this investigation constitutes the complete teaching and learning process in the Engineering field in Mechanical Maintenance at the FECYT; The methodical design which was chosen in a bibliographical field investigation of a descriptive and practical type in a dual both theory and practice were you take into consideration abilities, skills, attitudes, and values within the environment in which you educate, live and develop. The novelty within this investigation begins in implementing a mechanical workshop with a functional didactic model of the Electronic Fuel Injection System. The didactic system concept is thought in a way were all the functions are visible in all its ways and the professor can have the class with a didactic support without visible difficulties since the beginning. The construction of a didactic model has as an objective to visualize all the components of the electronic fuel injection system and can be manipulated to verify its function, and whose intention is to motivate the learning and the Electronic Fuel Injection System in both its theory and practice and to reach the best result in knowledge, this way it is more competitive professionally and it obtains more value in this field of knowledge. This investigation pretends to add to the improvement of university education implementing a workshop in the mechanical automobile faculty of Science and Technology for the teaching of Electronic fuel Injection Systems.