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Abstract

The study aimed to find the desirable competencies of technicians in repairing electronic injection gasoline engines at car repair centres on knowledge, skills, working attitudes and length of time needed to study the required course.

The subjects were selected from 55 centres with 2 each from each centre, a repair supervisor and a technician. The centres were located in Bangkok, Nonthaburi and Samut Prakan. A specially constructed questionnaire form was used to collect the data which were then analysed using descriptive statistics.

The result reveals that respondents rate highly desirable for all attributes: knowledge, skills and attitudes. Out of 5 knowledge items, the maintenance routine planning is rated as the most desirable followed by electronics instrumentation. The most desirable skill is how to use electronic instruments followed by the maintenance of electronic instruments. The most desirable attitude is following orders with being an innovative person plays the secondary role. The respondents estimate that 50 hours are needed to master the skills required in the study course.