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A STUDY ON NOISE INTENSITY IN THE INDUSTRIAL DISTRICT IN KARBALA CITY BY USING GEOGRAPHIC INFORMATION SYSTEMS (GIS)

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ABSTRACT

Healthy environment for human has become a basic need for having a life free from psychological and bodily diseases, therefore the aim of the present work is to shed light on one of the main district in the city, that is, the industrial district devoted to crafts in order to find out how far it meets healthy environment requirements (in terms of noise). From the work on the area under study, the researcher has reached several conclusions from which

- Craft businesses (such as car and truck repair workshops, blacksmithing workshops, car spare parts stores as well
 as sundry stores) concentrate in this area
- All workers in the district do not use ear-protection headphones
- Two thirds of them suffer from noise
- One third suffers from mild hearing loss, sleep disorder and high blood pressure
- 16% of them suffer from stress
- A noise level chart of the district should be made. It is worth mentioning that blacksmithing workshops and truck repair workshops cause more noise than other craft businesses
- The district stands in need of green belts although they are stipulated in the sector master plan

KEYWORDS: Human Communication, Healthy Environment, Psychological