Development of Depth Measurement System and Wireless Transceiver using GPS and Echo Sounder for Survey Application

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Abstract
Estimation of water measurement is of high importance in hydrographic survey activity especially in reservoirs. Because in rainy season there is collection of slurry and mud at the bottom of dam. Because of this the depth of dam may get reduced and hence its capacity is reduced. There are number of techniques to measure the depth and each having its advantages and drawbacks. Here in this paper the way of measurement of the depth by using dual beam echosounder is introduced as it has higher acquisition rate and the coordinates of position of actual slurry or mud is given by GPS. The data which is collected is wirelessly transmitted using the zigbee.

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**Index Terms**

- Computer Science
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**Keywords**

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