

(54) Title of the invention : SYSTEM TO FACILITATE MONITORING AND PREDICTING LAND DISRUPTION

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(31) Priority Document No	:NA	(72) Name of Inventor :
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(57) Abstract :

The present disclosure pertains to a system to facilitate monitoring and predicting land disruption. The system (100) includes a set of sensor nodes (102), a controller (104) and one or more alert units (106). The set of sensor nodes (102) are configured with a pre-defined area and sense disruption parameters associated with the pre-defined area correspondingly generate a first set of signals. The controller (104) is in communication with the set of sensor nodes and is configured to extract land displacement parameters and the soil moisture parameters from the first set of signals. The controller (104) is configured to compare the extracted land displacement parameters and the soil moisture parameters with a first and a second pre-stored land displacement threshold limit and soil moisture threshold limit and correspondingly generate a first set of alert signals, a second set of alert signals and a third set of alert signals and facilitates preventing from harm caused by the land disruption.

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