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remote sensing is the process of detecting and monitoring the physical characteristics of an area by measuring its reflected and emitted radiation at a distance typically from satellite or aircraft remote sensing is the acquiring of information from a distance nasa observes earth and other planetary bodies via remote sensors on satellites and aircraft that detect and record reflected or emitted energy remote sensing is the acquisition of information about an object or phenomenon without making physical contact with the object in contrast to in situ or on site observation the term is applied especially to acquiring information about earth and other planets remote sensing is the science of obtaining the physical properties of an area without being there it allows users to capture visualize and analyze objects and features on the earth s surface by collecting imagery we can classify it into land cover and other types of analyses research published in remote sensing in ecology and conservation employs a new approach of combining two dimensional and three dimensional remotely sensed seascape models to more accurately identify complex reef structure and the populations of fish living within them remote sensing is an international peer reviewed open access journal about the science and application of remote sensing technology and is published semimonthly online by mdpi remote sensing allows farmers to assess biomass of their crops by estimating volume and identifying key factors like erosion drought stress pests and disease that impact overall yields this data can be used to create detailed production forecasting remote sensing is the science and technology of acquiring images of the earth s surface from spacecraft aircraft and drones to aid in the monitoring and management of the natural and built environments satellite remote sensing srs which acquires information about the earth s surface subsurface and atmosphere remotely from sensors on board satellites including geodetic satellites is remote sensing of environment rse serves the earth observation community with the publication of results on the theory science applications and technology of studies contributing to advance the science of remote sensing thoroughly interdisciplinary rse publishes on terrestrial oceanic and a view full aims scope 4230 remote sensing in earth systems sciences is a quarterly scientific journal that publishes articles featuring the use of remote sensing data to study earth processes the journal s interdisciplinary approach aims to include all aspects of the earth sciences remote sensing is the examination of an area from a significant distance it is used to gather information and imaging remotely this practice can be done using devices such as cameras placed on the ground ships aircraft satellites or even spacecraft today data obtained through remote sensing is usually stored and manipulated with computers remote sensing satellites orbit earth bringing data to researchers and decision makers around the world here s an introduction to satellites and remote sensing science remote sensing is the process of detecting and monitoring the physical characteristics of an area by measuring its reflected and emitted radiation at a distance typically from satellite or aircraft special cameras collect remotely sensed images which help researchers sense things about the earth remote sensing is the science of obtaining information about objects or areas from a distance typically from aircraft or satellites a lidar light detection and ranging image created with data collected by noaa s national geodetic survey there exist two main types of remote sensing classified according to the source of signal they use to explore the object active vs passive active remote sensing instruments operate with their own source of emission or light while passive ones rely on the reflected one remote sensing is one of the basic enabling technologies for iot in which almost any imaginable entity can be equipped with unique identifiers and the ability to transfer data over a network autonomously remote sensing is the science and art of identifying observing and measuring an object without coming into direct contact with it this involves the detection and measurement of radiation of different wavelengths reflected or emitted from distant objects or materials by which they may be identified and categorized what is remote sensing remote sensing is a technology for acquiring information about the earth s surface without actually being in contact with it this is done by sensing and recording reflection or emitted energy processing analyzing and applying that information putting together these two words remote plus sensus remote sensing refers to detecting an object feature phenomenon with an observation device that is not in intimate physical contact with the object feature phenomenon in question

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