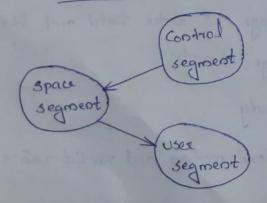
The term is applied especially to accusing information servoire sensing is the aquisition of information about an object or phenomenon without making physical a Application. Interpretation and analysis Energy source or illumination components of remote sensing contact with the object in contrast to inside or ourself about the earth and other planets. This is done to observation. Radiation and the atmosphere Transmission, reuption and processing recording the energy by the senser Interaction with the target sensing and necording reflected or emitted energy and processing, analysing and applying that indomnates -> Application of remote sensing 1) Resource exploration 1) At Passive remote sensing a) Active remote sensing. Remode sensing are two types; sun. most of the remote sensing system work in In case of passive remote sansing source of once of To study the information of sedimentary rocks and and send & from the remote sensing pladform To active remode sensing the entropy is generated salar energy. Edentity deposits of various minerals, detect oil identity towards the target. Most of the milito wave remote Environmental study underground storage of ander field and identify sensing is done through active remote sensing. underground storage of water. use to study cloud motion and predict rains.

- 3) Land use mapping of larger area is possible in short time
- 4) sight investigation
- 3) Archeological investigation
- 6) Natural hazard study.
- -> alobal possessioning system (aps)
 - * The Cips is the sadellite based investigation system made up of a notwork of 24 sadellites placed into orbit by the Us department of defends.
 - * GPS was originally intended for military application but in the 1980 the crovt made the system available. for avelan work.
- -> Principles of Ups



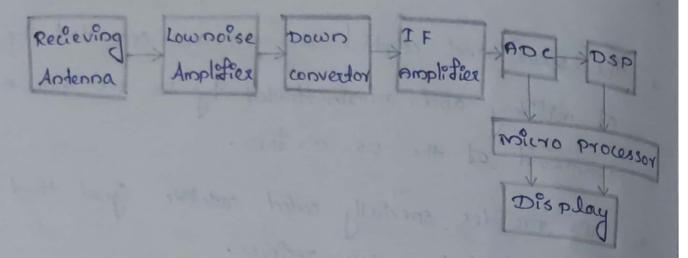
- The cirs consist of 3 major segment
- space segment
- " lortros
- USER
- " The space and control segment are operated by us of military and administrated by the us space common command of the us ar force.
- * CAPS provides specially coded sadellite signal that can be provided in a cops recieves.
- * Enabling the recieves to compute position, velocity
- 4 LAPS satellite signals are used to compute position in 3 diamension.

-> Application

- ups technology is now in everything from cellphone, wrist watch, shipping container.
- Caps boost productivity across a wide growth of the economy include farming construction, mining surveying package dell'very, & logistical supply that management
- * It is used as a tracking device.

- y provide latitude, longitude and altitude information
- * Aids navigation in vehicle, dir craft and stip.

Caps recieves



Recieving Atenna

Recieves the satellites signals and it is mainly a circularly polarized antenna.

Low noise amplifier (LNA)

Amplifies the weak received signals

Down convertor

converts the frequency of received signal to an indexmediate frequency (IF) signal.

IF Amplifier

Amplifies the indermediate frequency signal

convestion gos dorm

provides +0 Euro processon: and Contro

Advandages