ANIMAL DETECTION USING IMAGE PROCESSING

The accurate and reliable counting of animals in the farming field is one of the most promising but challenging tasks in intelligent livestock management in the future.Computer vision is an interdisciplinary research topic that investigates how computers can understand image data or videos at a high level. One of the most promising but difficult problems in intelligent livestock management is accurate and reliable animal counts in camera-acquired imagery. To detect and count cattle, most contemporary systems rely on hardware such as sensors, drones, and algorithms such as CNN (Convolutional Neural Networks), R-CNN (Regional-Convolutional Neural Networks). Here we used a smart animal detection system which is more effective and friendly to use. Livestock animals such as cows, sheep, goats, etc.., have many roles in the farm ecosystem. The most profitable livestock business is animal farming. so, it is very important to keep track of or detect their farm animals. That’s why we use animal detection systems using image processing and CNN to overcome these problems and maintain good farming growth.