

(54) Title of the invention : IOT CONTROLLED WILDLIFE OBSERVATION ROBOT

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(57) Abstract :  
 We can make use of this innovative system in order to get close footage of wild animals. As with the help of this system the user doesn't have to go close to the wild animals in order to get the close footage. Here the wildlife observation robot with night vision capability system makes use of remote to operate the robotic vehicle to get closer to the wild animals on which the night vision camera is being mounted. This allows the user to control the robotic vehicle wirelessly and get desired angled of these wild animals. This video is recorded and can be viewed on PC for reference. So wildlife observers can now safely get close footage of wild animals by operating this robotic vehicle from a safe distance. This system consists of an 8051 family microcontroller unit used for processing user sent through the transmitter circuit. These signals are received by the receiver mounted on the robotic vehicle. The microcontroller then processes this data and passes on signals to driver motors. The driver motors now in turn operate the motors by providing desired signal outputs to drive the vehicle movement motors. Also when the microcontroller receives the camera directional change signal, it then forwards this signal to the camera motor in order to achieve desired camera angle. Thus this wildlife observation robot with night vision capability system helps to get a closer view of wildlife with the help of remote.