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(57) Abstract :
A trekking assistive device for pets comprises of a cuboidal housing 1 comprising first and second portion, plurality of flexible straps 2 for tying the housing 1 over pet's body in order to from a frame 5 covering the pet's body, an artificial intelligence enabled image capturing unit 3 for capturing images of the ground surface, a microcontroller for commanding the components to perform configured tasks, plurality of telescopic rods 4 for assisting the pet while trekking, a suction unit 6 for providing grip to rods 4 while trekking over a slippery surface, a storage unit 10 for storing food items by user, a sensing module for sensing the inclination angle of frame 5 and weight of storage unit 10, a computing unit introduced with an user interface for enabling the user to select mode of trekking for activating the rods 4 to function according to the level of trekking.

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