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<p>(51) International classification :E01H0001120000, B01L0003000000, B65F0001060000, A01K0023000000, B29L0031000000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Jaipur National University Address of Applicant :Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----- -----</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. R Shivasubramaniam Address of Applicant :Jaipur National University Institute of Medical Sciences & Research Centre, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----- -----</p> <p>2)Dr. Pratibha Yadav Address of Applicant :Jaipur National University Institute of Medical Sciences & Research Centre, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----- -----</p> <p>3)Dr. Sarika Kokane Address of Applicant :Jaipur National University Institute of Medical Sciences & Research Centre, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India Jaipur ----- -----</p> <p>4)Dr. Priya Sharan Lamba Address of Applicant :Jaipur National University Institute of Medical Sciences & Research Centre, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----- -----</p>
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(57) Abstract :

An animal faeces collection device, comprising an expandable frame 1 configured with a handle 2 adapted to be held by a user in near proximity to an animal faeces, a cushioned member for allowing user to comfortably grip handle 2, an artificial intelligence based image capturing module 3 to capture multiple images of frame's 1 surroundings, a bag dispensing unit 4 arranged within a collection chamber 5 for dispensing a disposable bag within chamber 5, a pair of robotic grippers 6 for gripping and fixing bag, a motorized hinge 7 configured with a plate 8 for providing swinging movement to plate 8 in order to sweep detected faeces, an iris lid 9 for closing in order to seal bag, and a container 10 for storing water, an electronically operated valve 11 for dispensing water over surface to remove traces of faeces from surface in order to properly clean surface.

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