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<p>(51) International classification :A01B0079000000, G05D0001020000, G06Q0050020000, A01D0046300000, G06Q0010060000</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 : <b>1)SWAMI VIVEKANANDA UNIVERSITY</b> Address of Applicant : Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121, India. Barasat -----</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : <b>1)DR. TANMOY SARKAR</b> Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121, India. Barasat -----</p> <p><b>2)MR.VIBHOR RAJ</b> Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121, India. Barasat -----</p> <p><b>3)DR. SUDIP SENGUPTA</b> Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121, India. Barasat -----</p> <p><b>4)Mr. Abhishek Dhar</b> Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121, India. Barasat -----</p> <p><b>5)Mr. Saurabh Adhikari</b> Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121, India. Barasat -----</p> <p><b>6)Prof. (Dr.) Subhranil Som, Principal,</b> Address of Applicant :Bhairab Ganguly College 2, Feeder Rd, Beehive Garden, Belghoria, Kolkata-700056, West Bengal Barasat -----</p>
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(57) Abstract :

The 4-Wheel Drive Robot is a transformative innovation bridging technology and agriculture. Featuring a detachable and adaptable head, it caters to modern farming's diverse needs. Equipped with advanced cameras, night vision, AI integration, and sustainable power sources, this robot enhances precision farming. Its 10-liter water capacity, payload capability, and autonomous navigation streamline agricultural operations. A user-friendly mobile app offers real-time control. This invention symbolizes the fusion of technology and agriculture, promising efficient, eco-friendly, and sustainable crop management.

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