

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/04/2025

(21) Application No.202531040690 A

(43) Publication Date : 02/05/2025

(54) Title of the invention : A system for poultry farming

		(71)Name of Applicant : 1)Swami Vivekananda University Address of Applicant :Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, Kolkata, West Bengal 700121, India. ----- Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Dr. Tanmoy Sarkar Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, Kolkata, West Bengal 700121, India. ----- 2)Dr. Sudip Sengupta Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, Kolkata, West Bengal 700121, India. ----- 3)Dr. Suprabuddha Kundu Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, Kolkata, West Bengal 700121, India. ----- 4)Dr. Parijat Bhattacharya Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, Kolkata, West Bengal 700121, India. ----- 5)Dr. Ria Mukhopadhyay Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, Kolkata, West Bengal 700121, India. ----- 6)Dr. Mahafuzar Rahaman Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, Kolkata, West Bengal 700121, India. ----- 7)Dr. Anirneeta De Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, Kolkata, West Bengal 700121, India. ----- 8)Dr. Animesh Ghosh Bag Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, Kolkata, West Bengal 700121, India. ----- 9)Mr. Rakesh Das Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, Kolkata, West Bengal 700121, India. ----- 10)Mr. Tanmoy Majhi Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, Kolkata, West Bengal 700121, India. ----- 11)Ms. Sayani Bhowmick Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, Kolkata, West Bengal 700121, India. ----- 12)Souvik Halder Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, Kolkata, West Bengal 700121, India. ----- 13)Rohan Mandal Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, Kolkata, West Bengal 700121, India. -----
(51) International classification	:G06Q0050020000, A01K0045000000, G06Q0030060100, A01K0031000000, A23K0050750000	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention provides an integrated system for poultry farming comprising optimized housing structures, environmental control units, automated feeding and watering devices, incubation and brooding systems, and egg collection mechanisms. The system supports breed-specific management strategies for layers, broilers, and dual-purpose birds. It includes a waste management subsystem for manure and dead bird disposal and integrates slaughtering and processing equipment for meat production. The feed and water supply systems are customized for different bird growth stages. Environmental conditions such as ventilation, temperature, and lighting are automatically regulated. Monitoring and record-keeping systems ensure efficient farm management. Designed for small to large-scale farming operations, the invention promotes profitability, biosecurity, sustainability, and improved bird welfare across deep litter, battery cage, and free-range poultry systems.

No. of Pages : 15 No. of Claims : 8