

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202431029281 A

(19) INDIA

(22) Date of filing of Application :10/04/2024

(43) Publication Date : 26/04/2024

(54) Title of the invention : "Eco Defender Scarecrow"

(51) International classification :A01M0029060000, A01M0029160000, A01M0029100000, A01M0029180000, G08C0017020000

(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

(71)Name of Applicant :

**1)SWAMI VIVEKANANDA UNIVERSITY**

Address of Applicant :Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121 Barasat -----

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, West Bengal – 700121 Barasat -----

**2)MR. VIBHOR RAJ**

Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121 Barasat -----

**3)DR. SUPRABUDDHA KUNDU**

Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121 Barasat -----

**4)MR. ABHISHEK DHAR**

Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121 Barasat -----

**5)MR. SAURABH ADHIKARI**

Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121 Barasat -----

**6)Prof. (Dr.) Subhranil Som, Principal,**

Address of Applicant :Bhairab Ganguly College 2, Feeder Rd, Beehive Garden, Belghoria, Kolkata, West Bengal-700056 India Barasat -----

(57) Abstract :

This innovative scarecrow amalgamates traditional farming practices with advanced technology to provide comprehensive crop protection. Equipped with strategically positioned ultrasonic and yellow light wave emitters, it deters avian creatures, insects, and subterranean rodents. Operable through wireless remote control and powered by a 60mAh solar battery, this scarecrow ensures sustainable, round-the-clock defense for crops. Its integration of cutting-edge pest control mechanisms signifies a leap in agricultural innovation towards sustainable farming practices.

No. of Pages : 19 No. of Claims : 10