(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2023

(21) Application No.202341069272 A
(43) Publication Date : 24/11/2023

(54) Title of the invention : IDENTIFICATION OF PLANT DETAILS USING EFFICIENT DEEP NEURAL NETWORK

(51) International classification :G06N0003080000, G06N0003040000, H01L0029100000, G06N0003020000, A61P0005140000
(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)Dr. Subash Chandra Bose
Address of Applicant :Dr. Subash Chandra Bose Assistant Professor, Department of Computer Science, Islamiah College (Autonomous), Vaniyambadi Tamil Nadu, India ---------- ----------
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Dr. Subash Chandra Bose
Address of Applicant :Dr. Subash Chandra Bose Assistant Professor, Department of Computer Science, Islamiah College (Autonomous), Vaniyambadi Tamil Nadu, India ---------- ----------

(57) Abstract :
The present invention is an identification of plant details using efficient deep neural network, comprises of a method which describes to develop a mobile application for identifying and predicting plant details such as plant name, family, and other prominent features like suitable soils for plants to be planted and grown, and provides Medicinal uses and toxic information about plants , using python programming (NumPy Package) with the help of efficient convolutional deep learning Neural Network Techniques by matching 360 degree captured high resolution plants leaf images and feed to the different deep layers to predict plant details with higher accuracy.

No. of Pages : 14 No. of Claims : 1