

(54) Title of the invention : IMPLEMENTATION OF FEATURE SELECTION-BASED ALGORITHMS FOR ACCURATE PREDICTION OF CROP YIELD AND PAVING WAY FOR PRECISION IN AGRICULTURE

(51) International classification :G06Q0050020000, G06K0009620000, A01B0079000000, G06Q0010040000, G01N0033000000

(86) International Application No :PCT/
Filing Date :01/01/1900

(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)DIVYA J
 Address of Applicant :ASSISTANT PROFESSOR/IT, ST.JOSEPH'S COLLEGE OF ENGINEERING, OMR, CHENNAI 600119 CHENNAI -----
2)Dr. AMAR KUMAR DEY
3)Dr. NAVEEN KUMAR DEWANGAN
4)Dr AR ARUNARANI
5)R.JAYASANKAR
6)R. DEEPA
7)Dr. JAIDEV KUMAR
8)SHYAMKANT S MUNJE
9)ANAND NAGSEN WARGHAT
10)Dr.A.SASI KUMAR
11)BHAGWANDAS PATEL
12)Dr M ANUSUYA
 Name of Applicant : NA
 Address of Applicant : NA
 (72)Name of Inventor :
1)DIVYA J
 Address of Applicant :ASSISTANT PROFESSOR/IT, ST.JOSEPH'S COLLEGE OF ENGINEERING, OMR, CHENNAI 600119 CHENNAI -----
2)Dr. AMAR KUMAR DEY
 Address of Applicant :ASSISTANT PROFESSOR, ELECTRONICS AND TELECOMMUNICATION ENGINEERING DEPARTMENT, BHILAI INSTITUTE OF TECHNOLOGY, DURG (C.G), PINCODE - 491001. DURG -----
3)Dr. NAVEEN KUMAR DEWANGAN
 Address of Applicant :PROFESSOR, ELECTRONICS AND TELECOMMUNICATION ENGINEERING DEPARTMENT, BHILAI INSTITUTE OF TECHNOLOGY, DURG (C.G), PINCODE - 491001. DURG -----
4)Dr AR ARUNARANI
 Address of Applicant :DEPARTMENT OF COMPUTATIONAL INTELLIGENCE, SCHOOL OF COMPUTING,COLLEGE OF ENGINEERING AND TECHNOLOGY, SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, KATTANKULATHUR CAMPUS. CHENNAI -----
5)R.JAYASANKAR
 Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF AGRICULTURAL EXTENSION, FACULTY OF AGRICULTURE, ANNAMALAI UNIVERSITY, ANNAMALAI NAGAR-608002 CHIDAMBARAM -----
6)R. DEEPA
 Address of Applicant :ASSISTANT PROFESSOR / CSE, VELS INSTITUTE OF SCIENCE AND TECHNOLOGY, CHENNAI CHENNAI -----
7)Dr. JAIDEV KUMAR
 Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, HARIOM SARASWATI P. G. COLLEGE DHANAURI, ROORKEE, UTTARAKHAND, PIN- 247667 ROORKEE ----
8)SHYAMKANT S MUNJE
 Address of Applicant :ASSOCIATE PROFESSOR, REGIONAL RESEARCH CENTRE, MORSHI ROAD, AMRAVATI AMRAVATI -----
9)ANAND NAGSEN WARGHAT
 Address of Applicant :PH.D. SCHOLAR ENTOMOLOGY, DEPARTMENT OF ENTOMOLOGY, NAINI AGRICULTURAL INSTITUTE, SAM HIGGINBOTTOM UNIVERSITY OF AGRICULTURE, TECHNOLOGY AND SCIENCES, PRAYAGRAJ, UTTAR PRADESH, INDIA 211007 AMRAVATI -----
10)Dr.A.SASI KUMAR
 Address of Applicant :PROFESSOR (MENTOR-IT - INURTURE EDUCATION SOLUTIONS PVT LTD, BANGALORE), DEPARTMENT OF CLOUD TECHNOLOGY & DATA SCIENCE, INSTITUTE OF ENGINEERING & TECHNOLOGY, SRINIVAS UNIVERSITY, SRINIVAS NAGAR, MUKKA, SURATHKAL, MANGALORE-574146. MANGALORE -----
11)BHAGWANDAS PATEL
 Address of Applicant :ASSOCIATE PROFEASOR, ECE, COLLEGE OF ENGINEERING ROORKEE, ROORKEE ROORKEE -----
12)Dr M ANUSUYA
 Address of Applicant :REGISTRAR , INDRA GANESAN INSTITUTIONS, MANIKANDAM, TRICHY, TAMILNADU-620012 TRICHY -----

(57) Abstract :
 Implementation of Feature Selection-Based Algorithms for Accurate Prediction of Crop Yield and paving way for Precision in Agriculture is the proposed invention. The invention focuses on predicting the crop yield using the algorithms of feature selection. The proposed invention aims at achieving precision in agriculture and therapeutic treatment as well.

No. of Pages : 13 No. of Claims : 6