

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 27/2022
ISSUE NO. 27/2022

शुक्रवार
FRIDAY

दिनांक: 08/07/2022
DATE: 08/07/2022

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(51) International classification :G06Q0050020000, G06Q0010040000, A01G0007000000,
G06Q0010060000, A01G0013020000

(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)Dr.N.Kumaran, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya

Address of Applicant :Assistant Professor, Department of CSE, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Kanchipuram, Tamilnadu-631561 Kanchipuram -----

2)Mr.A.Rizwanbasha, Jeppiaar Institute of Technology

3)Dr.R.Sugumar, C.Abdul Hakeem college of Engineering and Technology

4)Dr.D.Muthukumaran, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya

5)Ms.E.Padma, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya

6)Dr.M.Saraswathi, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya

7)Dr. T. Nandhini, Hindustan College of Arts and Science

8)Prof.Abdulnaseer M, C.Abdul Hakeem college of Engineering and Technology

9)Dr.S.Omkumar, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya

10)Dr.S.Gokulakrishnan, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr.N.Kumaran, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya

Address of Applicant :Assistant Professor, Department of CSE, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Kanchipuram, Tamilnadu-631561 Kanchipuram -----

2)Mr.A.Rizwanbasha, Jeppiaar Institute of Technology

Address of Applicant :Assistant Professor, Department of IT, Jeppiaar Institute of Technology, Kunnam, Sriperumbudur, Tamil Nadu - 631 604 Sriperumbudur -----

3)Dr.R.Sugumar, C.Abdul Hakeem college of Engineering and Technology

Address of Applicant :Associate Professor, Department of CSE, C.Abdul Hakeem college of Engineering and Technology, Melvisharam, Tamilnadu 632509 Vellore -----

4)Dr.D.Muthukumaran, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya

Address of Applicant :Assistant Professor, Department of ECE, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Kanchipuram, Tamilnadu-631561 Kanchipuram -----

5)Ms.E.Padma, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya

Address of Applicant :Assistant Professor, Department of CSE, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Kanchipuram, Tamilnadu-631561 Kanchipuram -----

6)Dr.M.Saraswathi, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya

Address of Applicant :Assistant Professor, Department of CSE, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Kanchipuram, Tamilnadu-631561 Kanchipuram -----

7)Dr. T. Nandhini, Hindustan College of Arts and Science

Address of Applicant :Assistant Professor, Department of BCA, Hindustan College of Arts and Science, Padur, Chennai, TamilNadu - 603103. Chennai -----

8)Prof.Abdulnaseer M, C.Abdul Hakeem college of Engineering and Technology

Address of Applicant :Assistant Professor, Department of CSE, C.Abdul Hakeem college of Engineering and Technology, Melvisharam, Tamilnadu 632509 Vellore -----

9)Dr.S.Omkumar, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya

Address of Applicant :Associate Professor, Department of ECE, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Kanchipuram, Tamilnadu-631561 Kanchipuram -----

10)Dr.S.Gokulakrishnan, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya

Address of Applicant :Assistant Professor, Department of ECE, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Kanchipuram, Tamilnadu-631561 Kanchipuram -----

(57) Abstract :

Accurate agricultural statistics may be obtained as well as assessments of the acceptability of agricultural techniques under varied production conditions with the aid of standardization of crop yield estimating methods at various levels of farming. The current research covers several approaches for estimating maize yield while accounting for yield factors that are currently accessible. It also analyses the yield gap between maize potential and achievable yield. Based on yield characteristics gathered in the field, the simplest and most accurate techniques of yield estimate. However, compared to any other way of estimating production from farmers' fields, farmer estimation methods are less expensive and quicker. This research also discusses the significance of employing more sophisticated yield estimating techniques, such as crop modelling and remote sensing. These sophisticated techniques are more precise and have a smaller divergence from the precise harvest yield when predicting yield before field harvest. However, they are quite pricey and ineffective for tiny land parcels. Poor agricultural policy implementation, stringent fertilizer input regulation, the vulnerability of smallholder cropping systems to unfavorable climatic conditions, the occurrence of biotic and abiotic constraints, as well as the scarcity of labor and seeds, are all factors that contribute to the difference between potential and actual yield. we suggest that users utilize IoT to identify the soil type for cash crops, flowers, fruit, grain, herbs, shrubs, spices, trees, and vegetables as well as for average rainfall and average temperature.

No. of Pages : 11 No. of Claims : 3