FORM 9

THE PATENTS ACT 1970
(39 OF 1970)
&
THE PATENT RULES, 2003
(See section 11A (2), rule 24 A)

I/We

NAME	NATIONALITY	ADDRESS
PODDAR INTERNATIONAL COLLEGE	**INDIA**	**SECTOR-7, NEAR SHIPRA PATH MANSAROVAR, JAIPUR (RJ) – 302020**

Hereby request for the early publication of my/our application No.
Dated September 6, 2023 under section 11A (2) of the Act.

Dated September 6, 2023

(Ashish Sharma)
Authorized Agent for the Applicant
Indian Patent Agent Regn No. IN/PA-3021

To
THE CONTROLLER OF PATENTS
THE PATENT OFFICE AT NEW DELHI

PRINCIPAL
S.S.G. PAREEK P.G. COLLEGE
JAIPUR

FORM 3
THE PATENTS ACT 1970
(39 OF 1970)
&
THE PATENT RULES, 2003
STATEMENT OF UNDERTAKING UNDER SECTION 8
(See section 8, rule12)

I/We,
(i) Applicant

NAME	NATIONALITY	ADDRESS
PODDAR INTERNATIONAL COLLEGE	INDIA	SECTOR-7, NEAR SHIPRA PATH MANSAROVAR, JAIPUR (RJ) – 302020

hereby declare:

(ii) that I/We who have made this application No. Dated **September 6, 2023** alone for the same/substantially same invention, application(s) for Patent in other countries, the particulars of which are given below:

Name of Country	Application No.	Date of Application	Status of Application	Date of Publication	Date of Grant
NIL					

(iii) that the rights in the application(s) has/have been assigned to: us

that I/we undertake that up to the date of grant of the patent by the Controller, I/We will keep him informed in writing the details regarding corresponding applications for patents filed outside India within six months from the date of filing such application.

Dated this **September 6, 2023**

(Ashish Sharma)
Authorized Agent for the Applicant
Indian Patent Agent Regn No. IN/PA-3021

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JAIPUR

To
THE CONTROLLER OF PATENTS
THE PATENT OFFICE AT NEW DELHI/MUMBAI/CHENNAI/KOLKATA

FORM 1 THE PATENTS ACT 1970 (39 OF 1970) & THE PATENT RULES, 2003 **APPLICATION FOR GRANT OF PATENT** [See section 7,54 &135 & rule 20(1)	(FOR OFFICE USE ONLY) Application No.: Filing Date: Amount of Fee Paid: CBR No. Signature

1. APPLICANT'S REFERENCE/ IDENTIFICATION NO. (AS ALLOTED BY OFFICE)	

2. TYPE OF APPLICATION

Ordinary (√)		**Convention ( )**		**PCT-NP ( )**	
Divisional ()	**Patent of Addition ()**	**Divisional ()**	**Patent of Addition ()**	**Divisional ()**	**Patent of Addition ()**

3-A. APPLICANT(S)

Name	Nationality	Country of Residence	ADDRESS
PODDAR INTERNATIONAL COLLEGE	**INDIAN**	**INDIA**	**SECTOR-7, NEAR SHIPRA PATH MANSAROVAR, JAIPUR (RJ) – 302020**

3-B. CATEGORY OF APPLICANT

Natural Person ()	**Other than Natural Person (√)**	
	Small Entity ( )	**Startup ( )**
	Educational Institutions (√)	**Others ( )**

4. INVENTORS (S)

Are all the inventor(s) same as the applicant(s) named above?	**Yes ( )**	**No (√)**

Name	Nationality	Country of Residence	Address
			PRINCIPAL S.S.G. PAREEK P.G. COLLEGE JAIPUR

PROF. PRAVEEN GOSWAMI	INDIAN	INDIA	PRINCIPAL, PODDAR INTERNATIONAL COLLEGE, SEC. 7 NEAR SHIPRA PATH, MANSAROVAR, JAIPUR-302020
DR. POONAM DHAWAN	INDIAN	INDIA	PROFESSOR, PODDAR INTERNATIONAL COLLEGE, SEC. 7 NEAR SHIPRA PATH, MANSAROVAR, JAIPUR-302020
DR. UTKARSH KAUSHIK	INDIAN	INDIA	ASSOCIATE PROFESSOR, PODDAR INTERNATIONAL COLLEGE, SEC. 7 NEAR SHIPRA PATH, MANSAROVAR, JAIPUR-302020
DR. VINOD KUMAR JAIN	INDIAN	INDIA	ASSOCIATE PROFESSOR, PODDAR INTERNATIONAL COLLEGE, SEC. 7 NEAR SHIPRA PATH, MANSAROVAR, JAIPUR-302020
DR. DILIP KUMAR SHARMA	INDIAN	INDIA	DIRECTOR, VARDHMAN MAHAVEER OPEN UNIVERSITY, RAWATBHATA ROAD KOTA-324021
DR. MAHESH KUMAR BHIMWAL	INDIAN	INDIA	ASST. PROFESSOR, S.S.G. PAREEK COLLEGE, KANTI CHAND ROAD, BANI PARK, JAIPUR 302016
DR. RAJNEESH KUMAR MISHRA	INDIAN	INDIA	ASST. PROFESSOR, S.S.G. PAREEK COLLEGE, KANTI CHAND ROAD, BANI PARK, JAIPUR 302016
DR. KIRTI MATHUR	INDIAN	INDIA	ASST. PROFESSOR, LBS PG COLLEGE JAIPUR, PD. DEVI SHANKAR MARG, TILAK NAGAR, JAIPUR-302004
MS. SHILPI DAMOR	INDIAN	INDIA	ASST. PROFESSOR, PODDAR INTERNATIONAL COLLEGE, SEC. 7 NEAR SHIPRA PATH, MANSAROVAR, JAIPUR-302020
MR. NEERAJ KUMAR	INDIAN	INDIA	ASST. PROFESSOR, PODDAR INTERNATIONAL COLLEGE, SEC. 7 NEAR SHIPRA PATH, MANSAROVAR, JAIPUR-302020

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5. TITLE OF THE INVENTION: SYSTEM OF REMOTELY ACCESSING AND MONITORING OF AGRICULTURAL PARAMETER		
6. AUTHORISED REGISTERED PATENT AGENT (S)	IN/PA No.	3021
	Name	ASHISH SHARMA
	Mobile No.	9899801721
7. ADRESS FOR SERVICE OF APPLICANT IN INDIA	**ASHISH SHARMA,** IP NATION; D-177, GF, Shyam Park Ext., Sahibabad-201005 (Ghaziabad), U.P. Mobile No. 9899801721, E-mail: ashish.iprindia@hotmail.com	

8. PRIORITY PARTICULARS OF THE APPLICATION (S) FILED IN CONVENTION COUNTRY

Country	Application No.	Filing Date	Name of Applicant	Title of Invention
NA	**NA**	**NA**	**NA**	**NA**

9. PARTICULARS OF FILING PATENT COOPERATION TREATY (PCT) NATIONAL PHASE APPLICATION	
International Application Number	International filing date As allotted By The Receiving Office
NA	**NA**

10. PARTICULARS OF FILING DIVISIONAL APPLICATION	
Original application No.	**Date of filing of original application**
NA	**NA**

11. PARTICULARS FOR FILING PATENT OF ADDITION	
Main application/ Patent No.	**Date of filing of main application**
NA	**NA**

12. DECLARATION

(i) Declaration by the Inventor(s)

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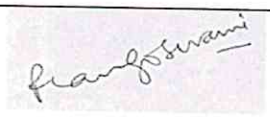
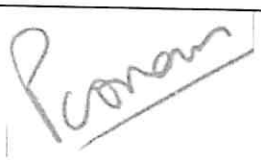
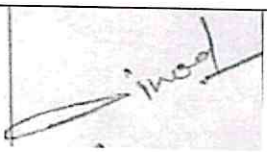
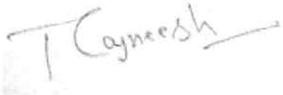
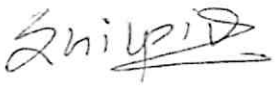
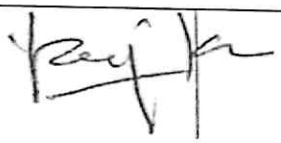
JAIPUR

I/We, the above named inventor(s) is/are the true & first inventor(s) for this invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date	(b) Signature	(c) Name
August 17, 2023		PROF. PRAVEEN GOSWAMI
August 17, 2023		DR. POONAM DHAWAN
August 17, 2023		DR. UTKARSH KAUSHIK
August 17, 2023		DR. VINOD KUMAR JAIN
August 17, 2023		DR. DILIP KUMAR SHARMA
August 17, 2023		DR. MAHESH KUMAR BHIMWAL
August 17, 2023		DR. RAJNEESH KUMAR MISHRA
August 17, 2023		DR. KIRTI MATHUR
August 17, 2023		MS. SHILPI DAMOR
August 17, 2023		MR. NEERAJ KUMAR

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S.C.C. PAREEK
JAIPUR

(ii) Declaration by the Applicant(s) in the Convention Country

I/we, the applicant(s) in the convention country declare that the applicant(s) herein is/are my assignee or legal representative.

(a) Date: (b) Signature(s):

(c) Name(s) of the Signatory :

(iii) Declaration by the Applicant(s):

(√) I/we, the applicant(s) are in possession of the above-mentioned invention.

(√) The complete specification relating to the invention is filed with this application.

× The invention as disclosed in the specification uses the biological material from India and the necessary permission from the competent authority shall be submitted by me/ us before the grant of patent to me/ us.

(√) There is no lawful ground of objection to the grant of the Patent to me/us.

(√) I am/ we are the true and first inventor(s).

(√) I am/ we are the assignee or legal representatives of true and first inventor(s).

× The application or each of the applications, particulars of which are given in paragraph 8, was the first application in convention country/ countries in respect of my/ our invention(s).

× I/ we claim the priority from the above mentioned application(s) filed in convention country/ countries and state that no application for protection in respect of the invention had been made in a convention country before that date by me/ us or by any person from which I/ we derive the title.

× My/ our application in India is based on international application under Patent Cooperation Treaty (PCT) as mentioned in Paragraph 9.

× The application is divided out of my/ our application particulars of which is given in Paragraph 10 and pray that this application may be treated as deemed to have filed on DD/MM/YYYY under section 16 of the Act.

× The said invention is an improvement in or modification of the invention particulars of which are given in Paragraph 11.

13. FOLLOWING ARE ATTACHMENTS WITH THE APPLICATION:

(a) **FORM 2**- Complete Specifications, **No. of Pages 14 No. of Claims 10** (in duplicate)

(b) Statement and Undertaking on **Form 3** (in duplicate)

(c) Declaration as to Inventorship on **Form 5** (in duplicate)

(d) Official fee for application of the patent 1,600/-

(e) **Form 28** along with Proof of Educational Institutions

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I/We hereby declare that to the best of my /our knowledge, information and belief the fact and

matters stated herein are correct and I/We request that a Patent may be granted to me/us for the said invention.

Dated this **September 6, 2023**

(Ashish Sharma)

Authorized Agent for the Applicant,

Indian Patent Agent Regn No. IN/PA-3021

TO,

THE CONTROLLER OF PATENTS

THE PATENT OFFICE, NEW DELHI/MUMBAI/ CHENNAI/KOLKATA

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JAIPUR

FORM 2

THE PATENTS ACT 1970

(39 of 1970)

&

THE PATENT RULES, 2003

COMPLETE SPECIFICATION

(See section 10 and rule 13)

1. TITLE OF THE INVENTION: - SYSTEM OF REMOTELY ACCESSING AND MONITORING OF AGRICULTURAL PARAMETER

2. Applicant(s)

NAME	NATIONALITY	ADDRESS
Poddar International College	INDIAN	Sector-7, Near Shipra Path, Mansarovar, Jaipur (RJ) – 302020

3. PREAMBLE OF THE DESCRIPTION

The following specification particularly describes the invention and the manner in which it is to be performed

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Title of the Invention

SYSTEM OF REMOTELY ACCESSING AND MONITORING OF AGRICULTURAL PARAMETER

Background of the Invention

Remotely accessing and monitoring of agricultural parameters is the process of collecting data on agricultural conditions, such as soil moisture, temperature, and humidity, from a distance. This data can then be transmitted to a central location, where it can be analyzed and used to make decisions about crop management.

A system of remotely accessing and monitoring of agricultural parameters is a system that uses sensors and wireless technologies to collect data on agricultural conditions, such as soil moisture, temperature, and humidity. This data can then be transmitted to a central location, where it can be analyzed and used to make decisions about crop management.

There are many different types of systems that can be used for remotely accessing and monitoring of agricultural parameters. Some of the most common types include:

Wireless sensor networks (WSNs): WSNs are composed of a network of sensors that are connected to each other wirelessly. The sensors can be used to collect data on a variety of parameters, such as soil moisture, temperature, and humidity. The data collected by the sensors is then transmitted to a central location, where it can be analyzed and used to make decisions about crop management.

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Remote sensing: Remote sensing is the use of sensors to collect data about an object or area from a distance. Remote sensing can be used to collect data on a variety of agricultural parameters, such as crop health, soil moisture, and vegetation cover. The data collected by remote sensing can be used to make decisions about crop management, such as when to irrigate or when to apply fertilizer.

Satellite imagery: Satellite imagery is a type of remote sensing that uses satellites to collect data about an object or area from space. Satellite imagery can be used to collect data on a variety of agricultural parameters, such as crop health, soil moisture, and vegetation cover. The data collected by satellite imagery can be used to make decisions about crop management, such as when to irrigate or when to apply fertilizer.

SUMMARY OF THE INVENTION

This summary is provided to introduce a selection of concepts, in a simplified format, that are further described in the detailed description of the invention.

This summary is neither intended to identify key or essential inventive concepts of the invention and nor is it intended for determining the scope of the invention.

To further clarify advantages and features of the present invention, a more particular description of the invention will be rendered by reference to specific embodiments thereof, which is illustrated in the appended drawings. It is appreciated that these drawings depict only typical embodiments of the invention and are therefore not to be considered limiting of its scope.

The use of systems for remotely accessing and monitoring of agricultural parameters can provide a number of benefits for farmers, including:

- Improved crop yields: By collecting data on agricultural conditions and using this data to make informed decisions about crop management, farmers can improve their crop yields.

- Reduced costs: By using systems for remotely accessing and monitoring of agricultural parameters, farmers can reduce their costs by reducing the amount of water, fertilizer, and pesticides they use.

- Increased sustainability: By using systems for remotely accessing and monitoring of agricultural parameters, farmers can help to make their operations more sustainable by reducing their environmental impact.

The use of systems for remotely accessing and monitoring of agricultural parameters is a growing trend in the agricultural industry. As the technology continues to develop, these systems are becoming more affordable and easier to use. This is making them a more attractive option for farmers who are looking to improve their crop yields, reduce their costs, and increase the sustainability of their operations.

DETAILED DESCRIPTION OF THE INVENTION

The detailed description of various exemplary embodiments of the disclosure is described herein with reference to the accompanying drawings. It should be noted that the embodiments are described herein in such details as to clearly communicate the disclosure. However, the amount of details provided herein is not intended to limit the anticipated variations of embodiments; on the contrary, the intention is to cover all modifications, equivalents, and alternatives falling within the scope of the present disclosure as defined by the appended claims.

It is also to be understood that various arrangements may be devised that, although not explicitly described or shown herein, embody the principles of the present disclosure. Moreover, all statements herein reciting principles, aspects, and embodiments of the present disclosure, as well as specific examples, are intended to encompass equivalents thereof.

The terminology used herein is for the purpose of describing particular embodiments only and is not intended to be limiting of example embodiments. As used herein, the singular forms "a"," "an" and "the" are intended to include the plural forms as well, unless the context clearly indicates otherwise. It will be further understood that the terms "comprises," "comprising," "includes" and/or "including," when used herein, specify the presence of stated features, integers, steps, operations, elements and/or components, but do not preclude the presence or addition of one or more other features, integers, steps, operations, elements, components and/or groups thereof.

It should also be noted that in some alternative implementations, the functions/acts noted may occur out of the order noted in the figures. For example, two figures shown in succession may, in fact, be executed concurrently or may sometimes be executed in the reverse order, depending upon the functionality/acts involved.

In addition, the descriptions of "first", "second", "third", and the like in the present invention are used for the purpose of description only, and are not to be construed as indicating or implying their relative importance or implicitly indicating the number of technical features indicated. Thus, features defining "first" and "second" may include at least one of the features, either explicitly or implicitly.

Unless otherwise defined, all terms (including technical and scientific terms) used herein have the same meaning as commonly understood by one of ordinary skill in the

art to which example embodiments belong. It will be further understood that terms, e.g., those defined in commonly used dictionaries, should be interpreted as having a meaning that is consistent with their meaning in the context of the relevant art and will not be interpreted in an idealized or overly formal sense unless expressly so defined herein.

The working methodology of remotely accessing and monitoring of agricultural parameters can be divided into the following steps:

1. Data collection: The first step is to collect data on the agricultural parameters that are being monitored. This data can be collected using a variety of sensors, such as soil moisture sensors, temperature sensors, and humidity sensors. The data can also be collected using remote sensing techniques, such as satellite imagery or aerial photography.

2. Data transmission: The collected data must then be transmitted to a central location where it can be analyzed. The data can be transmitted wirelessly using a variety of technologies, such as LoRaWAN or Sigfox.

3. Data analysis: The data that is transmitted to the central location is then analyzed to identify patterns and trends. This analysis can be used to make decisions about crop management, such as when to irrigate or when to apply fertilizer.

4. Decision making: The results of the data analysis are then used to make decisions about crop management. These decisions can help to improve crop yields, reduce costs, and increase sustainability.

The working methodology of remotely accessing and monitoring of agricultural parameters can be summarized as follows:

1. Collect data on agricultural parameters using sensors or remote sensing techniques.
2. Transmit the collected data to a central location.
3. Analyze the data to identify patterns and trends.
4. Use the results of the data analysis to make decisions about crop management.

This methodology can be used to monitor a variety of agricultural parameters, such as soil moisture, temperature, humidity, crop health, and vegetation cover. The use of this methodology can help farmers to improve their crop yields, reduce their costs, and increase the sustainability of their operations.

Here are some of the challenges that can be encountered in remotely accessing and monitoring of agricultural parameters:

- Data quality: The quality of the data collected can be affected by a number of factors, such as the type of sensor used, the placement of the sensor, and the weather conditions.
- Data security: The data that is collected and transmitted must be secure to prevent unauthorized access.
- Cost: The cost of implementing and operating a system for remotely accessing and monitoring of agricultural parameters can be high.
- Technology adoption: Farmers may be reluctant to adopt new technologies, such as remote sensing and wireless sensor networks.

The components of remotely accessing and monitoring of agricultural parameters include:

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- Sensors (101): Sensors are devices that collect data on the agricultural parameters that are being monitored. Sensors can be used to measure a variety of parameters, such as soil moisture, temperature, humidity, crop health, and vegetation cover.
- Data transmission (102): The collected data must then be transmitted to a central location where it can be analyzed. The data can be transmitted wirelessly using a variety of technologies, such as LoRaWAN or Sigfox.
- Data storage (103): The data that is transmitted to the central location must be stored securely. The data can be stored in a cloud-based database or on a local server.
- Data analysis (104): The data that is stored must be analyzed to identify patterns and trends. This analysis can be used to make decisions about crop management, such as when to irrigate or when to apply fertilizer.
- Decision support system (105): A decision support system (DSS) is a software application that helps farmers to make decisions about crop management. The DSS can be used to analyze the data that has been collected and provide farmers with recommendations for crop management.
- User interface (106): The user interface is the way that farmers interact with the system. The user interface should be easy to use and understand.

The components of remotely accessing and monitoring of agricultural parameters can be summarized as follows:

- Sensors collect data on agricultural parameters.
- Data transmission carries the data to a central location.
- Data storage stores the data securely.

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- Data analysis identifies patterns and trends in the data.
- Decision support system helps farmers make decisions based on the data.
- User interface makes it easy for farmers to interact with the system.

The choice of components will depend on the specific needs of the farmer and the agricultural operation. For example, the type of sensors that are used will depend on the parameters that are being monitored. The data transmission technology that is used will depend on the size of the agricultural operation and the terrain. The data storage solution will depend on the amount of data that is being collected and the security requirements. The decision support system will depend on the specific needs of the farmer and the agricultural operation. The user interface will depend on the skills and experience of the farmers.

The use of systems for remotely accessing and monitoring of agricultural parameters is a growing trend in the agricultural industry. As the technology continues to develop, these systems are becoming more affordable and easier to use. This is making them a more attractive option for farmers who are looking to improve their crop yields, reduce their costs, and increase the sustainability of their operations.

BEST METHOD OF WORKING

Disclosed herein a system of remotely accessing and monitoring of agricultural parameter comprises Sensors (101), Data transmission module (102), Data storage unit (103), Data analysis module (104), Decision support system (105), and User interface (106), wherein Sensors are devices that collect data on the agricultural parameters that are being monitored; and Sensors are used to measure a variety of

parameters, such as soil moisture, temperature, humidity, crop health, and vegetation cover; wherein the collected data is transmitted to a central location where it can be analysed; and the data is transmitted wirelessly using a variety of technologies, such as LoRaWAN or Sigfox.

In another embodiment, the data that is transmitted to the central location must be stored securely; and the data is stored in a cloud-based database or on a local server; wherein data is stored and analyzed to identify patterns and trends; and this analysis is used to make decisions about crop management, such as when to irrigate or when to apply fertilizer.

In another embodiment, a decision support system (DSS) is a software application that helps farmers to make decisions about crop management; and the DSS is used to analyze the data that has been collected and provide farmers with recommendations for crop management.

In another embodiment, the user interface is the way that farmers interact with the system; and the user interface should be easy to use and understand; the data transmission technology depend on the size of the agricultural operation and the terrain.

In another embodiment, the data storage solution depends on the amount of data that is being collected and the security requirements; and the decision support system depends on the specific needs of the farmer and the agricultural operation.

These and other advantages of the present subject matter would be described in greater detail with reference to the following figures. It should be noted that the description merely illustrates the principles of the present subject matter. It will thus be appreciated that those skilled in the art will be able to devise various arrangements

that, although not explicitly described herein, embody the principles of the present subject matter and are included within its scope.

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We Claim:

1. A system of remotely accessing and monitoring of agricultural parameter comprises Sensors (101), Data transmission module (102), Data storage unit (103), Data analysis module (104), Decision support system (105), and User interface (106).

2. The system as claimed in claim 1, wherein Sensors are devices that collect data on the agricultural parameters that are being monitored; and Sensors are used to measure a variety of parameters, such as soil moisture, temperature, humidity, crop health, and vegetation cover.

3. The system as claimed in claim 1, wherein the collected data is transmitted to a central location where it can be analysed; and the data is transmitted wirelessly using a variety of technologies, such as LoRaWAN or Sigfox.

4. The system as claimed in claim 1, wherein the data that is transmitted to the central location must be stored securely; and the data is stored in a cloud-based database or on a local server.

5. The system as claimed in claim 1, wherein data is stored and analysed to identify patterns and trends; and this analysis is used to make decisions about crop management, such as when to irrigate or when to apply fertilizer.

6. The system as claimed in claim 1, wherein a decision support system (DSS) is a software application that helps farmers to make decisions about crop management; and the DSS is used to analyse the data that has been collected and provide farmers with recommendations for crop management.

7. The system as claimed in claim 1, wherein the user interface is the way that farmers interact with the system; and the user interface should be easy to use and understand.

8. The system as claimed in claim 1, wherein the data transmission technology depend on the size of the agricultural operation and the terrain.

9. The system as claimed in claim 1, wherein the data storage solution depends on the amount of data that is being collected and the security requirements.

10. The system as claimed in claim 1, wherein the decision support system depends on the specific needs of the farmer and the agricultural operation.

Dated this September 06, 2023

(Ashish Sharma)
Authorized Agent for the Applicant
Patent Agent Registration No. IN/PA-3021

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JAIPUR

ABSTARCT

SYSTEM OF REMOTELY ACCESSING AND MONITORING OF AGRICULTURAL PARAMETER

Disclosed herein a system of remotely accessing and monitoring of agricultural parameter comprises Sensors (101), Data transmission module (102), Data storage unit (103), Data analysis module (104), Decision support system (105), and User interface (106), wherein Sensors are devices that collect data on the agricultural parameters that are being monitored; and Sensors are used to measure a variety of parameters, such as soil moisture, temperature, humidity, crop health, and vegetation cover; wherein the collected data is transmitted to a central location where it can be analysed; and the data is transmitted wirelessly using a variety of technologies, such as LoRaWAN or Sigfox. In another embodiment, the data that is transmitted to the central location must be stored securely; and the data is stored in a cloud-based database or on a local server; wherein data is stored and analysed to identify patterns and trends; and this analysis is used to make decisions about crop management, such as when to irrigate or when to apply fertilizer.

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FORM 5
THE PATENTS ACT 1970
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&
THE PATENT RULES, 2003
DECLARATION AS TO INVENTORSHIP
[See section 10(6) and Rule 13(6)]

I/We ,

NAME	NATIONALITY	ADDRESS
PODDAR INTERNATIONAL COLLEGE	INDIA	SECTOR-7, NEAR SHIPRA PATH MANSAROVAR, JAIPUR (RJ) – 302020

hereby declare that the true and first inventor(s) of the invention disclosed in the provisional/Complete specification filed in pursuance of my /our application numbered dated **September 6, 2023** is/are

2. INVENTORS (S)

(a)NAME	(b)NATIONALITY	(c) ADDRESS
PROF. PRAVEEN GOSWAMI	INDIA	PRINCIPAL, PODDAR INTERNATIONAL COLLEGE, SEC. 7 NEAR SHIPRA PATH, MANSAROVAR, JAIPUR-302020
DR. POONAM DHAWAN	INDIA	PROFESSOR, PODDAR INTERNATIONAL COLLEGE, SEC. 7 NEAR SHIPRA PATH, MANSAROVAR, JAIPUR-302020
DR. UTKARSH KAUSHIK	INDIA	ASSOCIATE PROFESSOR, PODDAR INTERNATIONAL COLLEGE, SEC. 7 NEAR SHIPRA PATH, MANSAROVAR, JAIPUR-302020
DR. VINOD KUMAR JAIN	INDIA	ASSOCIATE PROFESSOR, PODDAR INTERNATIONAL COLLEGE, SEC. 7 NEAR SHIPRA PATH, MANSAROVAR, JAIPUR-302020
DR. DILIP KUMAR SHARMA	INDIA	DIRECTOR, VARDHMAN MAHAVEER OPEN UNIVERSITY, RAWATBHATA ROAD KOTA-324021
DR. MAHESH KUMAR BHIMWAL	INDIA	ASST. PROFESSOR, S.S.G. PAREEK COLLEGE, KANTI CHAND ROAD, BANI PARK, JAIPUR 302016
DR. RAJNEESH KUMAR MISHRA	INDIA	ASST. PROFESSOR, S.S.G. PAREEK COLLEGE, KANTI CHAND ROAD, BANI PARK, JAIPUR 302016
DR. KIRTI MATHUR	INDIA	ASST. PROFESSOR, LBS PG COLLEGE JAIPUR, PD. DEVI SHANKAR MARG, TILAK NAGAR, JAIPUR-302004
MS. SHILPI DAMOR	INDIA	ASST. PROFESSOR, PODDAR INTERNATIONAL COLLEGE, SEC. 7 NEAR SHIPRA PATH, MANSAROVAR, JAIPUR-302020

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MR. NEERAJ KUMAR	INDIA	ASST. PROFESSOR, PODDAR INTERNATIONAL COLLEGE, SEC. 7 NEAR SHIPRA PATH, MANSAROVAR, JAIPUR-302020

3. DECLARATION TO BE GIVEN WHEN THE APPLICATION IN INDIA IS FILED BY THE APPLICANT (S) IN THE CONVENTION COUNTRY

We ,the applicant(s) in the convention country hereby declare that our right to apply for a patent in India is by way of assignment from the true and first inventor(s)

Dated this **September 6, 2023**

(Ashish Sharma)
Authorized Agent for the Applicant
Indian Patent Agent Regn No. IN/PA-3021

To,
THE CONTROLLER OF PATENTS,
THE PATENT OFFICE AT NEW DELHI/MUMBAI/CHENNAI/KOLKATA

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JAIPUR

FORM 28

THE PATENTS ACT 1970

&

THE PATENTS RULES, 2003

TO BE SUBMITTED BY A SMALL ENTITY/STARTUP

[See Rules 2(fa), 2 (fb) and 7]

1. APPLICANTS:

NAME	NATIONALITY	ADDRESS
PODDAR INTERNATIONAL COLLEGE	INDIA	SECTOR-7, NEAR SHIPRA PATH MANSAROVAR, JAIPUR (RJ) – 302020

2.

(i) FOR CLAIMING THE STATUS OF A SMALL ENTITY:	
A. For an Indian Applicant: Evidence of registration under the Micro, Small and Medium Enterp Act, 2006 (27 of 2006)	Not Applicable
B. In case of foreign entity: Any other document.	Not Applicable
(ii) FOR CLAIMING THE STATUS OF A STARTUP:	
A. For an Indian Applicant: Any document as evidence of eligibility, as defined in rule 2(fb).	Not Applicable
B. In case of foreign entity: Any other document.	Not Applicable
(iii) For claiming the status of an educational institution	
A. For an Indian applicant: Any document as evidence of eligibility, as defined in rule 2(ca)	**(√)-UGC Letter**
B. In case of a foreign educational institution: Any other document.	Not Applicable

3. The information provided herein is correct to the best of my/our knowledge and belief.

Dated this September 6, 2023

PRINCIPAL
S.S.G. PAREEK P.G. COLLEGE
JAIPUR

(Ashish Sharma)
Authorized Agent for the Applicant
Indian Patent Agent Regn No. IN/PA-3021

To,
The Controller of Patents
The Patent Office at NEW DELHI/MUMBAI/CHENNAI/KOLKATA

FORM 9

THE PATENTS ACT 1970
(39 OF 1970)
&
THE PATENT RULES, 2003
(See section 11A (2), rule 24 A)

I/We

NAME	NATIONALITY	ADDRESS
PODDAR INTERNATIONAL COLLEGE	**INDIA**	**SECTOR-7, NEAR SHIPRA PATH MANSAROVAR, JAIPUR (RJ) – 302020**

Hereby request for the early publication of my/our application No.
Dated September 6, 2023 under section 11A (2) of the Act.

Dated September 6, 2023

(Ashish Sharma)
Authorized Agent for the Applicant
Indian Patent Agent Regn No. IN/PA-3021

To
THE CONTROLLER OF PATENTS
THE PATENT OFFICE AT NEW DELHI

PRINCIPAL
S.S.G. PAREEK P.G. COLLEGE
JAIPUR

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INDIA NON JUDICIAL

Government of National Capital Territory of Delhi

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JAIPUR

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2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

Form 26
FORM OF AUTHORISATION
THE PATENTS ACT, 1970
(39 of 1970)
(See sections 127 and 132, rule 135)

I/ We

Name	Nationality	Address
PODDAR INTERNATIONAL COLLEGE	**INDIAN**	**SECTOR-7, NEAR SHIPRA PATH MANSAROVAR, JAIPUR (RJ) – 302020**

Hereby authorize Registered Patent Agents/Attorneys Ashish Sharma, Dr. Satya Pal Arora, Brijesh Oberoi, P. R. Rajhans, Dr. Ravindra Chingale, Kuldeep Singh, Nidhi Sharma, Jyoti to act as our agents and authorize said persons on our behalf in connection with Indian Patent Application(s) and request that all notices, requisitions and communication relating thereto, may be sent to such agent (s) at

IP NATION
D-177, Shyam Park Ext.,
Sahibabad-201005, Ghaziabad (U.P.), INDIA

We, hereby, revoke all previous authorization, if any made to any other persons, in respect of said matters or proceedings.

We, hereby confirm and ratify previous acts, if any done by said agent(s) in the above matter and proceedings.

Dated this **August 17, 2023**

For **PODDAR INTERNATIONAL COLLEGE**

For Poddar International College
Authorized Signatory
Director

PRINCIPAL
S.S.G. PAREEK P.G. COLLEGE
JAIPUR

To
The Controller of Patents
Indian Patent Office at New Delhi/Mumbai/Chennai/Kolkata

FORM 1 THE PATENTS ACT 1970 (39 OF 1970) & THE PATENT RULES, 2003 **APPLICATION FOR GRANT OF PATENT** [See section 7,54 &135 & rule 20(1)	(FOR OFFICE USE ONLY) Application No.: Filing Date: Amount of Fee Paid: CBR No. Signature

1. APPLICANT'S REFERENCE/ IDENTIFICATION NO. (AS ALLOTED BY OFFICE)	

2. TYPE OF APPLICATION

Ordinary (√)		**Convention ( )**		**PCT-NP ( )**	
Divisional ()	**Patent of Addition ()**	**Divisional ()**	**Patent of Addition ()**	**Divisional ()**	**Patent of Addition ()**

3-A. APPLICANT(S)

Name	Nationality	Country of Residence	ADDRESS
PODDAR INTERNATIONAL COLLEGE	**INDIAN**	**INDIA**	**SECTOR-7, NEAR SHIPRA PATH MANSAROVAR, JAIPUR (RJ) – 302020**

3-B. CATEGORY OF APPLICANT

Natural Person ()	**Other than Natural Person (√)**	
	Small Entity ( )	**Startup ( )**
	Educational Institutions (√)	**Others ( )**

4. INVENTORS (S)

Are all the inventor(s) same as the applicant(s) named above?	**Yes ( )**	**No (√)**	
Name	Nationality	Country of Residence	Address
			PRINCIPAL S.S.G. PAREEK P.G. COLLEGE JAIPUR

PROF. PRAVEEN GOSWAMI	INDIAN	INDIA	PRINCIPAL, PODDAR INTERNATIONAL COLLEGE, SEC. 7 NEAR SHIPRA PATH, MANSAROVAR, JAIPUR-302020
DR. POONAM DHAWAN	INDIAN	INDIA	PROFESSOR, PODDAR INTERNATIONAL COLLEGE, SEC. 7 NEAR SHIPRA PATH, MANSAROVAR, JAIPUR-302020
DR. UTKARSH KAUSHIK	INDIAN	INDIA	ASSOCIATE PROFESSOR, PODDAR INTERNATIONAL COLLEGE, SEC. 7 NEAR SHIPRA PATH, MANSAROVAR, JAIPUR-302020
DR. VINOD KUMAR JAIN	INDIAN	INDIA	ASSOCIATE PROFESSOR, PODDAR INTERNATIONAL COLLEGE, SEC. 7 NEAR SHIPRA PATH, MANSAROVAR, JAIPUR-302020
DR. DILIP KUMAR SHARMA	INDIAN	INDIA	DIRECTOR, VARDHMAN MAHAVEER OPEN UNIVERSITY, RAWATBHATA ROAD KOTA-324021
DR. MAHESH KUMAR BHIMWAL	INDIAN	INDIA	ASST. PROFESSOR, S.S.G. PAREEK COLLEGE, KANTI CHAND ROAD, BANI PARK, JAIPUR 302016
DR. RAJNEESH KUMAR MISHRA	INDIAN	INDIA	ASST. PROFESSOR, S.S.G. PAREEK COLLEGE, KANTI CHAND ROAD, BANI PARK, JAIPUR 302016
DR. KIRTI MATHUR	INDIAN	INDIA	ASST. PROFESSOR, LBS PG COLLEGE JAIPUR, PD. DEVI SHANKAR MARG, TILAK NAGAR, JAIPUR-302004
MS. SHILPI DAMOR	INDIAN	INDIA	ASST. PROFESSOR, PODDAR INTERNATIONAL COLLEGE, SEC. 7 NEAR SHIPRA PATH, MANSAROVAR, JAIPUR-302020
MR. NEERAJ KUMAR	INDIAN	INDIA	ASST. PROFESSOR, PODDAR INTERNATIONAL COLLEGE, SEC. 7 NEAR SHIPRA PATH, MANSAROVAR, JAIPUR-302020

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5. TITLE OF THE INVENTION: SYSTEM OF REMOTELY ACCESSING AND MONITORING OF AGRICULTURAL PARAMETER		
6. AUTHORISED REGISTERED PATENT AGENT (S)	IN/PA No.	3021
	Name	ASHISH SHARMA
	Mobile No.	9899801721
7. ADRESS FOR SERVICE OF APPLICANT IN INDIA	**ASHISH SHARMA,** IP NATION; D-177, GF, Shyam Park Ext., Sahibabad-201005 (Ghaziabad), U.P. Mobile No. 9899801721, E-mail: ashish.iprindia@hotmail.com	

8. PRIORITY PARTICULARS OF THE APPLICATION (S) FILED IN CONVENTION COUNTRY

Country	Application No.	Filing Date	Name of Applicant	Title of Invention
NA	**NA**	**NA**	**NA**	**NA**

9. PARTICULARS OF FILING PATENT COOPERATION TREATY (PCT) NATIONAL PHASE APPLICATION

International Application Number	International filing date As allotted By The Receiving Office
NA	**NA**

10. PARTICULARS OF FILING DIVISIONAL APPLICATION

Original application No.	**Date of filing of original application**
NA	**NA**

11. PARTICULARS FOR FILING PATENT OF ADDITION

Main application/ Patent No.	**Date of filing of main application**
NA	**NA**

12. DECLARATION

(i) Declaration by the Inventor(s)

I/We, the above named inventor(s) is/are the true & first inventor(s) for this invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

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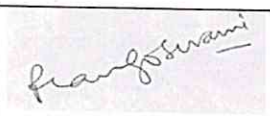
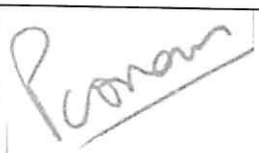
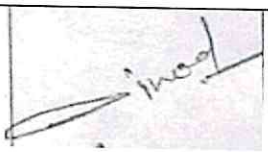
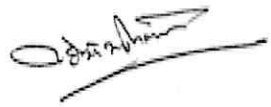
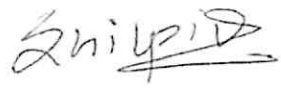
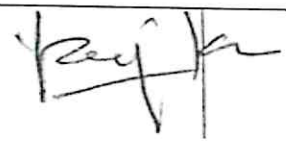
(a) Date	(b) Signature	(c) Name
August 17, 2023		PROF. PRAVEEN GOSWAMI
August 17, 2023		DR. POONAM DHAWAN
August 17, 2023		DR. UTKARSH KAUSHIK
August 17, 2023		DR. VINOD KUMAR JAIN
August 17, 2023		DR. DILIP KUMAR SHARMA
August 17, 2023		DR. MAHESH KUMAR BHIMWAL
August 17, 2023		DR. RAJNEESH KUMAR MISHRA
August 17, 2023		DR. KIRTI MATHUR
August 17, 2023		MS. SHILPI DAMOR
August 17, 2023		MR. NEERAJ KUMAR

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(ii) Declaration by the Applicant(s) in the Convention Country

I/we, the applicant(s) in the convention country declare that the applicant(s) herein is/are my assignee or legal representative.

(a) Date: (b) Signature(s):

(c) Name(s) of the Signatory :

(iii) Declaration by the Applicant(s):

(√) I/we, the applicant(s) are in possession of the above-mentioned invention.

(√) The complete specification relating to the invention is filed with this application.

× The invention as disclosed in the specification uses the biological material from India and the necessary permission from the competent authority shall be submitted by me/ us before the grant of patent to me/ us.

(√) There is no lawful ground of objection to the grant of the Patent to me/us.

(√) I am/ we are the true and first inventor(s).

(√) I am/ we are the assignee or legal representatives of true and first inventor(s).

× The application or each of the applications, particulars of which are given in paragraph 8, was the first application in convention country/ countries in respect of my/ our invention(s).

× I/ we claim the priority from the above mentioned application(s) filed in convention country/ countries and state that no application for protection in respect of the invention had been made in a convention country before that date by me/ us or by any person from which I/ we derive the title.

× My/ our application in India is based on international application under Patent Cooperation Treaty (PCT) as mentioned in Paragraph 9.

× The application is divided out of my/ our application particulars of which is given in Paragraph 10 and pray that this application may be treated as deemed to have filed on DD/MM/YYYY under section 16 of the Act.

× The said invention is an improvement in or modification of the invention particulars of which are given in Paragraph 11.

13. FOLLOWING ARE ATTACHMENTS WITH THE APPLICATION:

(a) **FORM 2**- Complete Specifications, **No. of Pages 14 No. of Claims 10** (in duplicate)

(b) Statement and Undertaking on **Form 3** (in duplicate)

(c) Declaration as to Inventorship on **Form 5** (in duplicate)

(d) Official fee for application of the patent 1,600/-

(e) **Form 28** along with Proof of Educational Institutions

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I/We hereby declare that to the best of my /our knowledge, information and belief the fact and

matters stated herein are correct and I/We request that a Patent may be granted to me/us for the said invention.

Dated this **September 6, 2023**

(Ashish Sharma)

Authorized Agent for the Applicant,

Indian Patent Agent Regn No. IN/PA-3021

TO,

THE CONTROLLER OF PATENTS

THE PATENT OFFICE, NEW DELHI/MUMBAI/ CHENNAI/KOLKATA

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① Cyber security Challenges & Trends on Recent Technologies

② ~~Digitalized~~ Bioethics & Genetic engineering

③ AI, & Youth employment

④ Digital education vs/ Traditional education

⑤ Advancements in Biotechnology

⑥ Adolescent Challenges

⑦ Basic first aid & CPR skills

⑧ Business Management / Entrepreneurship.

⑨ Data science & Analytics

⑩ Globalization & it's effect on Culture.

⑪ Innovation in Medicine & Healthcare

⑫ The Impact of Social Media on Political Movements

⑬ Evolution of Quantum Computing

⑭ The Future of Renewable Energy Storage

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