



# **Radhakrishna Institute of Technology and Engineering (RITE)**

Affiliated by (AICTE), MHRD Govt. of India, New Delhi & (BPUT), Govt. of Odisha

## **List of Patents with Proofs**

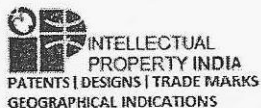
| List of Patents |                         |                                |  |                             |                  |
|-----------------|-------------------------|--------------------------------|--|-----------------------------|------------------|
| S. N.           | Name of Faculty         | Application ID /<br>Granted ID | Title of the Patent  | Granted Country             | Publication Date |
| 1               | Dr. Chandrabhanu Malla  | 202031036654                   | A Novel Phenotypic Antimicrobial Resistance Testing Using Cost Effective Integrated Biochip                        | Intellectual Property India | 18-09-2020       |
| 2               | Dr. Chandrabhanu Malla  | 202031036679                   | A Novel Hybrid Renewable Power Platform To Harvests Wind, Solar and Water Current Power From Running Water-Channel | Intellectual Property India | 18-09-2020       |
| 3               | Dr. Chandrabhanu Malla  | 202031037352                   | A Novel Nanosilver Hand Rub Sanitizer Gel  | Intellectual Property India | 18-09-2020       |
| 4               | Dr. Subash Ranjan Kabat | 202031051817                   | Wearable and Smart Phone Coupled Women Safety Device   | Intellectual Property India | 11-12-2020       |
| 5               | Dr. Subash Ranjan Kabat | 202031051873                   | AAROGYA - A Novel Mobile Application Based Empowering Telemedicine   | Intellectual Property India | 11-12-2020       |
| 6               | Dr. Chandrabhanu Malla  | 202031051873                   | AAROGYA - A Novel Mobile Application Based Empowering Telemedicine   | Intellectual Property India | 11-12-2020       |
| 7               | Dr. Subash Ranjan Kabat | 202031048659                   | IoT Enabled and Timely Reminder Smart Medicine Box   | Intellectual Property India | 11-12-2020       |
| 8               | Dr. Chandrabhanu Malla  | 202031050942                   | A Novel Robotic Process Automated Patient Carrier For Operation Theatre  | Intellectual Property India | 11-12-2020       |
| 9               | Dr. Subash Ranjan Kabat | 202031050942                   | A Novel Robotic Process Automated Patient Carrier For Operation Theatre  | Intellectual Property India | 11-12-2020       |
| 10              | Dr. Subash Ranjan Kabat | 202031056823                   | Modified Rotor For Wind Turbine To Enhance The Efficiency  | Intellectual Property India | 05-02-2021       |
| 11              | Dr. Chandrabhanu Malla  | 202031056823                   | Modified Rotor For Wind Turbine To Enhance The Efficiency  | Intellectual Property India | 05-02-2021       |

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|    |                          |              |  |                             |            |
|----|--------------------------|--------------|--|-----------------------------|------------|
| 12 | Dr. Subash Ranjan Kabat  | 202131007726 | Fuzzy Logic Based Fault Current Prediction in Double Fed Induction Generator Wind Turbine  | Intellectual Property India | 12-03-2021 |
| 13 | Prof. Sanjay Kumar Giri  | 2021100341   | Health Related Crisis Ready Plan Through Wireless Sensor Network and the Cloud Computing at  | IP Australia                | 31-03-2021 |
| 14 | Dr. Chandrabhanu Malla   | 2021102781   | A System for Fault Analysis of PI And Fuzzy Logic Controlled DFIG-Based Grid Connected Wind  | IP Australia                | 23-05-2021 |
| 15 | Dr. Prafulla Kumar Sahoo | 202141037360 | A Method For Wasteland Assesment and Oil Extraction From Prosopis Julifera   | Intellectual Property India | 27-08-2021 |
| 16 | Dr. Prafulla Kumar Sahoo | 202241004316 | Fatigue Testing For Reliability Assessments Of FRC Polymer Materials In Micro/Nano Systems   | Intellectual Property India | 04-02-2022 |
| 17 | Dr. Subash Ranjan Kabat  | 202211045650 | An IoT Based Charging Module For Rechargeable Batteries of Electric Vehicles and Method Thereof  | Intellectual Property India | 26-08-2022 |
| 18 | Dr. Subash Ranjan Kabat  | 202231075196 | Energy Management Controller for Distributing Electricity Across the Micro Grid with Integrated Wind and Solar Storageby Using DC and AC Buses | Intellectual Property India | 30-12-2022 |
| 19 | Dr. Prafulla Kumar Sahoo | 202331005687 | Implementation of AI-Based Approaches to Automated Visual Detection of Geometrical Defects in Composite Manufacturing Processes                | Intellectual Property India | 03-02-2023 |
| 20 |                          |              |  |                             |            |

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# **Proofs of Patents**



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Department of Industrial Policy and Promotion  
Ministry of Commerce and Industry

## Application Details

APPLICATION NUMBER 202031036654

APPLICATION TYPE ORDINARY APPLICATION

DATE OF FILING 26/08/2020

APPLICANT NAME

- 1 . Prof Ramesh chandra Panda
- 2 . Dr. Chandrabhanu Malla
- 3 . Dr. Ranjeeta Patel
- 4 . Dr. Vikrant Sharma
- 5 . Dr. Anurag Sharma
- 6 . Er. Varun Sharma
- 7 . Dr. S. Dinesh Mohan
- 8 . Dr. K. Bhavyasri
- 9 . Dr.R.INDIRA
- 10 . Dr.K. S.V.K.S.MADHAVI RANI
- 11 . Dr.R.Aruna
- 12 . Dr. B.B.R.G.Vijaya Lakshmi
- 13 . Dr Lakshmi D
- 14 . Dr P Karthigeyan

TITLE OF INVENTION A NOVEL PHENOTYPIC ANTIMICROBIAL RESISTANCE TESTING USING COST EFFECTIVE INTEGRATED BIOCHIP

FIELD OF INVENTION BIOTECHNOLOGY

E-MAIL (As Per Record) ramesh.panda.mech@gmail.com

ADDITIONAL-EMAIL (As Per Record)

E-MAIL (UPDATED Online)


PRIORITY DATE

REQUEST FOR EXAMINATION DATE 26/08/2020

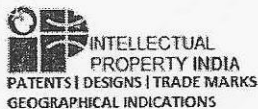
PUBLICATION DATE (U/S 11A) 18/09/2020

## Application Status

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## Application Details

|                                  |   |
|----------------------------------|---|
| APPLICATION NUMBER               | 202031036679  |
| APPLICATION TYPE                 | ORDINARY APPLICATION  |
| DATE OF FILING                   | 26/08/2020  |
| APPLICANT NAME                   | 1 . Prof. Ramesh Chandra Panda<br>2 . Dr. Bhupesh Kumar Singh<br>3 . Dr. Sudeshna Chakraborty<br>4 . Dr. Ranjeeta Patel<br>5 . NEERAJ CHANDNANI<br>6 . Surbhi Viji<br>7 . Dr. Suyash Y. Mullemwar<br>8 . Dr. Sushil Kalyani<br>9 . Dr. Krishna Kumar Singh<br>10 . Santosh Kumar<br>11 . Dr. Chandrabhanu Malla<br>12 . Akshay Ashokrao Kakde<br>13 . Dr. AMRITA<br>14 . Dr. Poonam Tanwar<br>15 . Dr P Karthigeyan |
| TITLE OF INVENTION               | A NOVEL HYBRID RENEWABLE POWER PLATFORM TO HARVESTS WIND, SOLAR AND WATER CURRENT POWER FROM RUNNING WATER-CHANNEL  |
| FIELD OF INVENTION               | ELECTRICAL  |
| E-MAIL (As Per Record)           | ramesh.panda.mech@gmail.com   |
| ADDITIONAL-EMAIL (As Per Record) | ramesh.panda.mech@gmail.com   |
| E-MAIL (UPDATED Online)          |   |
| PRIORITY DATE                    |   |
| REQUEST FOR EXAMINATION DATE     | 26/08/2020  |
| PUBLICATION DATE (U/S 11A)       | 18/09/2020  |

## Application Status

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## Application Details

APPLICATION NUMBER 202031037352  
APPLICATION TYPE ORDINARY APPLICATION  
DATE OF FILING 30/08/2020  
APPLICANT NAME  
1. Prof. Ramesh Chandra Panda  
2. Nadeem Ahmad Khan  
3. Dr. Chandrabhanu Malla  
4. Dr Lakshmi D  
5. Dr. Krishna Kumar Singh  
6. Dr. Ranjeeta Patel  
7. Anitha R  
8. Dr Kondi Vanitha  
9. Dr.K. Kavita  
10. Dr. K. Bhavyasri  
11. Dr. Sushil Kalyani  
12. Saiful Islam  
13. Arshad husain  
14. Afzal Husain Khan  
15. Dr P Karthigeyan  
TITLE OF INVENTION A NOVEL NANOSILVER HAND RUB SANITIZER GEL  
FIELD OF INVENTION CHEMICAL  
E-MAIL (As Per Record) ramesh.panda.mech@gmail.com  
ADDITIONAL-EMAIL (As Per Record) ramesh.panda.mech@gmail.com  
E-MAIL (UPDATED Online)  
PRIORITY DATE  
REQUEST FOR EXAMINATION DATE 30/08/2020  
PUBLICATION DATE (U/S 11A) 18/09/2020

## Application Status

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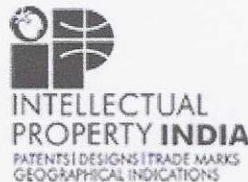
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Department of Industrial Policy & Promotion,  
Ministry of Commerce & Industry,  
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#### Application Details

|                                  |  |
|----------------------------------|--|
| APPLICATION NUMBER               | 202031051817   |
| APPLICATION TYPE                 | ORDINARY APPLICATION   |
| DATE OF FILING                   | 27/11/2020   |
| APPLICANT NAME                   | 1 . Bibhu Prasad Ganthia<br>2 . Mr. Prashanta Kumar Rana<br>3 . Mrs. Jayashree Nayak<br>4 . Ms. Aradhana Khillo<br>5 . Ms. Dibyajyoti Mohapatra<br>6 . Ms. Arnapurna Das<br>7 . Ms. Anwesha Jena<br>8 . Mr. Subash Ranjan Kabat<br>9 . Mrs. Linkan Priyadarshini<br>10 . Ms. Rosalin Pradhan<br>11 . Ms. Subhashree Priyadarshini<br>12 . Ms. Akankshya Subhadarshini<br>13 . Dr. Subrat Kumar Barik<br>14 . Dr. Byamakesh Nayak |
| TITLE OF INVENTION               | WEARABLE AND SMART PHONE COUPLED WOMEN SAFETY DEVICE   |
| FIELD OF INVENTION               | ELECTRONICS  |
| E-MAIL (As Per Record)           | jb.bibhu@gmail.com   |
| ADDITIONAL-EMAIL (As Per Record) | jb.bibhu@gmail.com   |
| E-MAIL (UPDATED Online)          |  |
| PRIORITY DATE                    |  |
| REQUEST FOR EXAMINATION DATE     | --   |
| PUBLICATION DATE (U/S 11A)       | 11/12/2020   |

  
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## Application Details

|                                  |   |
|----------------------------------|---|
| APPLICATION NUMBER               | 202031051873  |
| APPLICATION TYPE                 | ORDINARY APPLICATION  |
| DATE OF FILING                   | 28/11/2020  |
| APPLICANT NAME                   | 1 . Prof Ramesh Chandra Panda<br>2 . Dr. Saurabh Dahiya<br>3 . Dr. Mujahid Juned Siddiqui<br>4 . Dr. Pranati Rakshit<br>5 . Dr. Chandrabhanu Malla<br>6 . Dr. Nidhi Khurana<br>7 . Mr. Subash Ranjan Kabat<br>8 . Dr. Aruna Chhikara<br>9 . Dr. Aaliyah Siddiqui<br>10 . Dr P Karthigeyan |
| TITLE OF INVENTION               | AAROGYA - A NOVEL MOBILE APPLICATION BASED EMPOWERING<br>TELEMEDICINE   |
| FIELD OF INVENTION               | COMPUTER SCIENCE  |
| E-MAIL (As Per Record)           | ramesh.panda.mech@gmail.com   |
| ADDITIONAL-EMAIL (As Per Record) | ramesh.panda.mech@gmail.com   |
| E-MAIL (UPDATED Online)          |   |
| PRIORITY DATE                    |   |
| REQUEST FOR EXAMINATION DATE     | --  |
| PUBLICATION DATE (U/S 11A)       | 11/12/2020  |

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### Application Details

|                                  |   |
|----------------------------------|---|
| APPLICATION NUMBER               | 202031051873  |
| APPLICATION TYPE                 | ORDINARY APPLICATION  |
| DATE OF FILING                   | 28/11/2020  |
| APPLICANT NAME                   | 1. Prof Ramesh Chandra Panda<br>2. Dr. Saurabh Dahiya<br>3. Dr. Mujahid Juned Siddiqui<br>4. Dr. Pranati Rakshit<br>5. Dr. Chandrabhanu Malla<br>6. Dr. Nidhi Khurana<br>7. Mr. Subash Ranjan Kabat<br>8. Dr. Aruna Chhikara<br>9. Dr. Aaliyah Siddiqui<br>10. Dr P Karthigeyan |
| TITLE OF INVENTION               | AAROGYA - A NOVEL MOBILE APPLICATION BASED EMPOWERING<br>TELEMEDICINE   |
| FIELD OF INVENTION               | COMPUTER SCIENCE  |
| E-MAIL (As Per Record)           | ramesh.panda.mech@gmail.com   |
| ADDITIONAL-EMAIL (As Per Record) | ramesh.panda.mech@gmail.com   |
| E-MAIL (UPDATED Online)          |   |
| PRIORITY DATE                    |   |
| REQUEST FOR EXAMINATION DATE     | --  |
| PUBLICATION DATE (U/S 11A)       | 11/12/2020  |

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#### Application Details

|                                  |  |
|----------------------------------|--|
| APPLICATION NUMBER               | 202031048659   |
| APPLICATION TYPE                 | ORDINARY APPLICATION   |
| DATE OF FILING                   | 06/11/2020   |
| APPLICANT NAME                   | 1 . Bibhu Prasad Ganthia<br>2 . Subash Ranjan Kabat<br>3 . Lohit Kumar Sahoo<br>4 . Mir Manjur Elahi<br>5 . Smrutirekha Mahanta<br>6 . Mohammed Nadeem Iqbal<br>7 . Sandip Kumar Das<br>8 . Samprati Mohanty<br>9 . Mitali Ray<br>10 . Linkan Priyadarshini<br>11 . Monalisa Mohanty<br>12 . Subhashree Priyadarshini<br>13 . Dr.S.J Suji Prasad |
| TITLE OF INVENTION               | IOT ENABLED AND TIMELY REMINDER SMART MEDICINE BOX   |
| FIELD OF INVENTION               | BIO-MEDICAL ENGINEERING  |
| E-MAIL (As Per Record)           | jb.bibhu@gmail.com   |
| ADDITIONAL-EMAIL (As Per Record) | jb.bibhu@gmail.com   |
| E-MAIL (UPDATED Online)          |  |
| PRIORITY DATE                    |  |
| REQUEST FOR EXAMINATION DATE     | --   |
| PUBLICATION DATE (U/S 11A)       | 11/12/2020   |

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### Application Details

|                                  |   |
|----------------------------------|---|
| APPLICATION NUMBER               | 202031050942  |
| APPLICATION TYPE                 | ORDINARY APPLICATION  |
| DATE OF FILING                   | 23/11/2020  |
| APPLICANT NAME                   | 1 . Prof Ramesh Chandra Panda<br>2 . Dr. Mujahid Juned Siddiqui<br>3 . Dr. Pranati Rakshit<br>4 . Dr S Ramachandran<br>5 . Mr. Subash Ranjan Kabat<br>6 . Dr. Saurabh Dahiya<br>7 . Dr. Aruna Chhikara<br>8 . Dr. Chandrabhanu Malla<br>9 . Dr. Nidhi Khurana<br>10 . Dr. Aaliyah Siddiqui<br>11 . Dr P Karthigeyan |
| TITLE OF INVENTION               | A NOVEL ROBOTIC PROCESS AUTOMATED PATIENT CARRIER FOR OPERATION THEATRE   |
| FIELD OF INVENTION               | MECHANICAL ENGINEERING  |
| E-MAIL (As Per Record)           | ramesh.panda.mech@gmail.com   |
| ADDITIONAL-EMAIL (As Per Record) | ramesh.panda.mech@gmail.com   |
| E-MAIL (UPDATED Online)          |   |
| PRIORITY DATE                    |   |
| REQUEST FOR EXAMINATION DATE     | 23/11/2020  |
| PUBLICATION DATE (U/S 11A)       | 11/12/2020  |

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### Application Details

|                                  |   |
|----------------------------------|---|
| APPLICATION NUMBER               | 202031050942  |
| APPLICATION TYPE                 | ORDINARY APPLICATION  |
| DATE OF FILING                   | 23/11/2020  |
| APPLICANT NAME                   | 1 . Prof Ramesh Chandra Panda<br>2 . Dr. Mujahid Juned Siddiqui<br>3 . Dr. Pranati Rakshit<br>4 . Dr S Ramachandran<br>5 . Mr. Subash Ranjan Kabat<br>6 . Dr. Saurabh Dahiya<br>7 . Dr. Aruna Chhikara<br>8 . Dr. Chandrabhanu Malla<br>9 . Dr. Nidhi Khurana<br>10 . Dr. Aaliyah Siddiqui<br>11 . Dr P Karthigeyan |
| TITLE OF INVENTION               | A NOVEL ROBOTIC PROCESS AUTOMATED PATIENT CARRIER FOR OPERATION THEATRE   |
| FIELD OF INVENTION               | MECHANICAL ENGINEERING  |
| E-MAIL (As Per Record)           | ramesh.panda.mech@gmail.com   |
| ADDITIONAL-EMAIL (As Per Record) | ramesh.panda.mech@gmail.com   |
| E-MAIL (UPDATED Online)          |   |
| PRIORITY DATE                    |   |
| REQUEST FOR EXAMINATION DATE     | 23/11/2020  |
| PUBLICATION DATE (U/S 11A)       | 11/12/2020  |

### Application Status

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(<http://ipindia.nic.in/index.htm>)

#### Application Details

|                                  |  |
|----------------------------------|--|
| APPLICATION NUMBER               | 202031056823   |
| APPLICATION TYPE                 | ORDINARY APPLICATION   |
| DATE OF FILING                   | 29/12/2020   |
| APPLICANT NAME                   | 1 . Bibhu Prasad Ganthia<br>2 . Dr. Subrat Kumar Barik<br>3 . Dr. Byamakesh Nayak<br>4 . Mr. Subash Ranjan Kabat<br>5 . Prof. Ajay K.S. Singholi<br>6 . Dr. Saumya Darsan Mohanty<br>7 . Dr. Chandrabhanu Malla<br>8 . Dr. Abdulraja Buradi<br>9 . Mr. Vishal Agarwal<br>10 . Mr. Soumya Ranjan Pradhan<br>11 . Mrs. Rajashree Sahu<br>12 . Mr. Bikasha Kumar Garnayak |
| TITLE OF INVENTION               | MODIFIED ROTOR FOR WIND TURBINE TO ENHANCE THE EFFICIENCY  |
| FIELD OF INVENTION               | MECHANICAL ENGINEERING   |
| E-MAIL (As Per Record)           | jb.bibhu@gmail.com   |
| ADDITIONAL-EMAIL (As Per Record) | jb.bibhu@gmail.com   |
| E-MAIL (UPDATED Online)          |  |
| PRIORITY DATE                    |  |
| REQUEST FOR EXAMINATION DATE     | --   |
| PUBLICATION DATE (U/S 11A)       | 05/02/2021   |

  
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#### Application Details

|                                  |   |
|----------------------------------|---|
| APPLICATION NUMBER               | 202031056823  |
| APPLICATION TYPE                 | ORDINARY APPLICATION  |
| DATE OF FILING                   | 29/12/2020  |
| APPLICANT NAME                   | 1 . Bibhu Prasad Ganthia<br>2 . Dr. Subrat Kumar Barik<br>3 . Dr. Byamakesh Nayak<br>4 . Mr. Subash Ranjan Kabat<br>5 . Prof. Ajay K.S. Singholi<br>6 . Dr. Saumya Darsan Mohanty<br>7 . Dr. Chandrabhanu Malla<br>8 . Dr. Abdulrajak Buradi<br>9 . Mr. Vishal Agarwal<br>10 . Mr. Soumya Ranjan Pradhan<br>11 . Mrs. Rajashree Sahu<br>12 . Mr. Bikasha Kumar Garnayak |
| TITLE OF INVENTION               | MODIFIED ROTOR FOR WIND TURBINE TO ENHANCE THE EFFICIENCY   |
| FIELD OF INVENTION               | MECHANICAL ENGINEERING  |
| E-MAIL (As Per Record)           | jb.bibhu@gmail.com  |
| ADDITIONAL-EMAIL (As Per Record) | jb.bibhu@gmail.com  |
| E-MAIL (UPDATED Online)          |   |
| PRIORITY DATE                    |   |
| REQUEST FOR EXAMINATION DATE     | --  |
| PUBLICATION DATE (U/S 11A)       | 05/02/2021  |

  
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Application Details

|                                  |   |
|----------------------------------|---|
| APPLICATION NUMBER               | 202131007726  |
| APPLICATION TYPE                 | ORDINARY APPLICATION  |
| DATE OF FILING                   | 24/02/2021  |
| APPLICANT NAME                   | 1 . Mr. Subash Ranjan Kabat<br>2 . Dr. Chinmoy Kumar Panigrahi<br>3 . Mr. Sunil Kumar Bhatta<br>4 . Lohit Kumar Sahoo<br>5 . Biswajit Mohapatra<br>6 . Eepsita Shridevi<br>7 . Chinmaya Ranjan Pradhan<br>8 . Bijaya Kumar Mohapatra<br>9 . Mr. Bibhu Prasad Ganthia<br>10 . Dr. Subrat Kumar Barik |
| TITLE OF INVENTION               | FUZZY LOGIC BASED FAULT CURRENT PREDICTION IN DOUBLE FED INDUCTION GENERATOR WIND TURBINE   |
| FIELD OF INVENTION               | ELECTRICAL  |
| E-MAIL (As Per Record)           | subashkabat198@gmail.com  |
| ADDITIONAL-EMAIL (As Per Record) | subashkabat198@gmail.com  |
| E-MAIL (UPDATED Online)          |   |
| PRIORITY DATE                    |   |
| REQUEST FOR EXAMINATION DATE     | --  |
| PUBLICATION DATE (U/S 11A)       | 12/03/2021  |

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Australian Government

IP Australia

# CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021100341

The Commissioner of Patents has granted the above patent on 31 March 2021, and certifies that the below particulars have been registered in the Register of Patents.

**Name and address of patentee(s):**

Subodh Panda of Professor, Electronics & Communication Engineering Pragati Engineering College Andhra Pradesh India

Sudarson Jena of Associate Professor, Computer Science & Engineering, SUIT, Sambalpur University Jyoti Vihar, Burla, Odisha 768019 India

PREMANSU SEKHARA RATH of Associate professor, Computer Science & Engineering, GIET UNIVERSITY Gunupur, At – Gobriguda, Po- Kharling Gunupur, Odisha 765022 India

NILAMBAR SETHI of Associate Professor, Computer Science & Engineering, GIET UNIVERSITY Gunupur, At – Gobriguda, Po- Kharling Gunupur, Odisha 765022 India

SANTOSH KUMAR MAJHI of Assistant Professor, Computer Science & Engineering, VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, BURLA, ODISHA India

MURALI KRISHNA SENAPATY of Assistant Professor, Computer Science & Engineering, GIET UNIVERSITY Gunupur, At – Gobriguda, Po- Kharling Gunupur, Odisha 765022 India

Amiya Bhusan Bagjadab of Research Scholar, Computer Science & Engineering, VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, BURLA, ODISHA India

MUKESH BATHRE of Research Scholar, Information Technology, VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, BURLA, ODISHA India

SANTOSH SONI of Assistant Professor, Information Technology, GURU GHASIDAS UNIVERSITY BILASPUR, CG India

SANJAY KUMAR GIRI of Asst. Professor, Computer Science & Engineering, RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING Jagannathpur, Khorda, Odisha 752057 India

**Title of invention:**

Health Related Crisis Ready Plan through Wireless Sensor Network and the Cloud Computing at Populated Spots

**Name of inventor(s):**

Panda, Subodh; Jena, Sudarson; RATH, PREMANSU SEKHARA; SETHI, NILAMBAR; MAJHI, SANTOSH KUMAR; SENAPATY, MURALI KRISHNA; Bagjadab, Amiya Bhusan; BATHRE, MUKESH; SONI, SANTOSH and GIRI, SANJAY KUMAR

**Term of Patent:**

Eight years from 19 January 2021

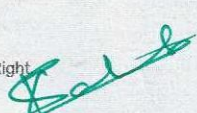


Dated this 31<sup>st</sup> day of March 2021

Commissioner of Patents

**PATENTS ACT 1990**

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right

  
**Principal**  
Radhakrishna Institute of Technology  
and Engineering, Bhubaneswar





Australian Government

IP Australia

# CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021102781

The Commissioner of Patents has granted the above patent on 9 March 2022, and certifies that the below particulars have been registered in the Register of Patents.

**Name and address of patentee(s):**

BIBHU PRASAD GANTHIA of SCHOOL OF ELECTRICAL ENGINEERING, KALINGAINSTITUTE OF INDUSTRIAL TECH. (KIIT) DEEMED TO BE UNIVERSITY KIIT ROAD, PATIA, BHUBANESWAR ODISHA India

PRASHANTA KUMAR RANA of ASSISTANT MANAGER (ELECTRICAL), ODISHA POWER TRANSMISSION CORPORATION LIMITED (OPTCL) ODISHA India

SAMPURNA PANDA of ASSISTANT PROFESSOR, DEPARTMENT OF, ELECTRICAL AND ELECTRONICS ENGINEERING, ITM UNIVERSITY GWALIOR MADHYA PRADESH 475001 India

LOHIT KUMAR SAHOO of ASSISTANT PROFESSOR, DEPARTMENT OF, ELECTRICAL AND ELECTRONICS ENGINEERING, TRIDENT ACADEMY OF TECHNOLOGY BHUBANESWAR India

SUNIL KUMAR BHATTA of LECTURERELECTRICAL ENGINEERING, KALINGAINSTITUTE OF INDUSTRIAL, TECHNOLOGY (KIIT)POLYTECHNIC KIIT ROAD, PATIA BHUBANESWAR ODISHA India

AJAY K. S. SINGHOLI of PROFESSOR, MECHANICAL AND AUTOMATION, ENGINEERING, G.B. PANT ENGINEERING COLLEGE NEW DELHI 110020 India

CHANDRABHANU MALLA of ASSISTANT PROFESSOR & HOD, DEPARTMENT OF MECHANICAL ENGINEERING, RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING KHURDHA, ODISHA 752057 India

JAI KUMAR MAHERCHANDANI of ASSISTANT PROFESSOR, DEPARTMENT OF, ELECTRICAL ENGINEERING, COLLEGE OF TECHNOLOGY AND ENGINEERING MAHARANA PRATAP UNIVERSITY OF AGRICULTURE AND TECHNOLOGY UDAIPUR India

MONALISA MOHANTY of TEACHING ASSOCIATE, DEPARTMENT OF ELECTRICAL & ELECTRONICS, ENGINEERING, ITER, SIKSHA 'O' ANUSANDHAN DEEMED TO BE UNIVERSITY JAGAMARA, KHANDAGIRI, BHUBANESWAR, ODISHA 751030 India

KAUSHIK UTKAL MOHANTY of VOCATIONAL TRAINER, ELECTRONICS & HARDWARE, PADMAKUMUDA BIDYA NIKETAN AISECT ODISHA 752023 India

SUBRAT KUMAR BARIK of SCHOOL OF ELECTRICAL ENGINEERING, KALINGAINSTITUTE OF INDUSTRIAL, TECHNOLOGY (KIIT)DEEMED TO BE UNIVERSITY, KIIT ROAD, PATIA BHUBANESWAR, ODISHA 751024 India

BYAMAKESH NAYAK of SCHOOL OF ELECTRICAL ENGINEERING, KALINGAINSTITUTE OF INDUSTRIAL, TECHNOLOGY (KIIT)DEEMED TO BE UNIVERSITY, KIIT ROAD PATIA, BHUBANESWAR ODISHA India

**Title of invention:**

A System for Fault Analysis of PI And Fuzzy Logic Controlled DFIG-Based Grid Connected Wind Energy Conversion System



Dated this 9<sup>th</sup> day of March 2022

Commissioner of Patents

**PATENTS ACT 1990**

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right

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**Radhakrishna Institute of Technology**  
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#### Application Details

|                                  |  |
|----------------------------------|--|
| APPLICATION NUMBER               | 202141037360   |
| APPLICATION TYPE                 | ORDINARY APPLICATION   |
| DATE OF FILING                   | 17/08/2021   |
| APPLICANT NAME                   | 1 . Dr. M. Rajeshwaran<br>2 . Dr. S. Vigneswari<br>3 . Mr. Prafulla Kumar Sahoo<br>4 . Mr. V. V. Srimannarayana<br>5 . Dr. Anil Kumar Thandlam<br>6 . Dr. P. Satheesh Kumar<br>7 . Mr. Karthikeyan.S<br>8 . Dr. A. Haiter Lenin<br>9 . Ms. Preethi J Aradhya<br>10 . Dr. P. Selvakumar |
| TITLE OF INVENTION               | A METHOD FOR WASTELAND ASSESSMENT AND OIL EXTRACTION FROM PROSOPIS JULIFERA  |
| FIELD OF INVENTION               | CHEMICAL   |
| E-MAIL (As Per Record)           | soni.mukesh15@gmail.com  |
| ADDITIONAL-EMAIL (As Per Record) |  |
| E-MAIL (UPDATED Online)          |  |
| PRIORITY DATE                    |  |
| REQUEST FOR EXAMINATION DATE     | --   |
| PUBLICATION DATE (U/S 11A)       | 27/08/2021   |

  
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| Application Details              |   |
|----------------------------------|---|
| APPLICATION NUMBER               | 202241004316  |
| APPLICATION TYPE                 | ORDINARY APPLICATION  |
| DATE OF FILING                   | 25/01/2022  |
| APPLICANT NAME                   | 1 . Dr Piyush Gaur<br>2 . Mr. M.S.Santhosh<br>3 . Dr. Suyash Yashwantrao Pawar<br>4 . Mr. Makarand Bhikaji Shirke<br>5 . Dr. Koli Gajanan Chandrashekhar<br>6 . Mr. Beri Venkata Himasekhar Sai<br>7 . Mr. Prafulla Kumar Sahoo<br>8 . Dr. Boda Surya Venkata Ramarao |
| TITLE OF INVENTION               | Fatigue Testing For Reliability Assessments Of FRC Polymer Materials In Micro/Nano Systems  |
| FIELD OF INVENTION               | PHYSICS   |
| E-MAIL (As Per Record)           | mail2patentipr@gmail.com  |
| ADDITIONAL-EMAIL (As Per Record) |   |
| E-MAIL (UPDATED Online)          |   |
| PRIORITY DATE                    |   |
| REQUEST FOR EXAMINATION DATE     | --  |
| PUBLICATION DATE (U/S 11A)       | 04/02/2022  |

Application Status

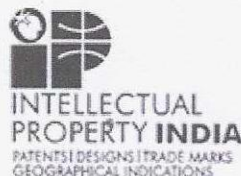
  
**Principal**  
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#### Application Details

|                                  |  |
|----------------------------------|--|
| APPLICATION NUMBER               | 202211045650   |
| APPLICATION TYPE                 | ORDINARY APPLICATION   |
| DATE OF FILING                   | 10/08/2022   |
| APPLICANT NAME                   | 1 . Dr. Neeraj Kumar Singh<br>2 . Abhishek Jain<br>3 . Shruti Arya<br>4 . Dr. Subash Ranjan Kabat<br>5 . Pinki Sagar<br>6 . Pronika Chawla<br>7 . Shiv Charan Puri<br>8 . Dr. Subrahmanyam Voore |
| TITLE OF INVENTION               | AN IOT BASED CHARGING MODULE FOR RECHARGEABLE BATTERIES OF ELECTRIC VEHICLES AND METHOD THEREOF  |
| FIELD OF INVENTION               | ELECTRICAL   |
| -MAIL (As Per Record)            | iprsince2014@hotmail.com   |
| ADDITIONAL-EMAIL (As Per Record) | iprsince2014@hotmail.com   |
| E-MAIL (UPDATED Online)          |  |
| PRIORITY DATE                    |  |
| REQUEST FOR EXAMINATION DATE     | --   |
| PUBLICATION DATE (U/S 11A)       | 26/08/2022   |

#### Application Status

  
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#### Application Details

|                                  |   |
|----------------------------------|---|
| APPLICATION NUMBER               | 202231075196  |
| APPLICATION TYPE                 | ORDINARY APPLICATION  |
| DATE OF FILING                   | 24/12/2022  |
| APPLICANT NAME                   | 1 . Dr. Bibhu Prasad Ganthia<br>2 . Dr. Prachitara Satapathy<br>3 . Dr. Sabita Chaine<br>4 . Dr. Nutan Saha<br>5 . Dr. Subash Ranjan Kabat<br>6 . Mrs. Subhasmita Satapathy |
| TITLE OF INVENTION               | ENERGY MANAGEMENT CONTROLLER FOR DISTRIBUTING ELECTRICITY<br>ACROSS THE MICRO GRID WITH INTEGRATED WIND AND SOLAR<br>STORAGE BY USING DC AND AC BUSES                       |
| FIELD OF INVENTION               | ELECTRICAL  |
| E-MAIL (As Per Record)           | thilakresearch@gmail.com  |
| ADDITIONAL-EMAIL (As Per Record) |   |
| E-MAIL (UPDATED Online)          |   |
| PRIORITY DATE                    |   |
| REQUEST FOR EXAMINATION DATE     | --  |
| PUBLICATION DATE (U/S 11A)       | 30/12/2022  |

#### Application Status

  
**Principal**  
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#### Application Details

|                                  |  |
|----------------------------------|--|
| APPLICATION NUMBER               | 202331005687   |
| APPLICATION TYPE                 | ORDINARY APPLICATION   |
| DATE OF FILING                   | 28/01/2023   |
| APPLICANT NAME                   | 1 . Dr. RANJAN KISHORE MALLICK<br>2 . VIJAYASHARATHI N<br>3 . Prof. Dr. E D FRANCIS<br>4 . SRIRANGA B K<br>5 . Dr. AMOL KAMBLE<br>6 . Dr UMASANKAR DAS<br>7 . Dr. PRAFULLA KUMAR SAHOO<br>8 . PREM CHANDRA<br>9 . PRAKASH R<br>10 . MOHD ASIF SHAH<br>11 . Dr VIJAY KUMAR SALVIA<br>12 . SHAILESH SINGH THAKUR |
| TITLE OF INVENTION               | IMPLEMENTATION OF AI-BASED APPROACHES TO AUTOMATED VISUAL DETECTION OF GEOMETRICAL DEFECTS IN COMPOSITE MANUFACTURING PROCESSES  |
| FIELD OF INVENTION               | PHYSICS  |
| E-MAIL (As Per Record)           | vaagaiip@gmail.com   |
| ADDITIONAL-EMAIL (As Per Record) |  |
| E-MAIL (UPDATED Online)          |  |
| PRIORITY DATE                    |  |
| REQUEST FOR EXAMINATION DATE     | --   |
| PUBLICATION DATE (U/S 11A)       | 03/02/2023   |

**Principal**  
Radbhaksh Institute of Technology  
and Engineering, Bhubaneswar