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|  | **Intellectual Property Rights Formats** | Doc No | QR/C8-04 | **Form B** |
| Rev. No. | **03** |
| Date | **01.06.2022** |
| Page No. | 2 of 5 |

INVENTION DISCLOSURE FORM (IDF)

This invention disclosure form aims at gathering information to allow an evaluation of your invention with respect to patentability requirements such as novelty, inventive step, industrial applicability and commercial Value. Please fill in this form when your invention has clearly been conceptualized.

All information provided herein after will be treated strictly confidential and may be additionally secured under a Non Disclosure Agreement.

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| --- | --- | --- | --- |
| 1. **Applicant Details**  [Applicant would be the legal entity owning the patent.] If there is more than one applicant, please include the details below.] | | | |
| Whether Applicant is an Individual/Startup,  Small Entity or Large entity: | * Individual/ Startup | * Small Entity | * Large Entity |
| Nationality/citizenship | INDIAN | | |

# For Individual:

|  |  |  |
| --- | --- | --- |
| Name | PRANAV ELUMALAI M | |
| Address of the Applicant | PLOT NO 184, K K NAGAR, MADURAI-20 | |
| Contact Number  : 9489346011 | | Email : [pranav@student.tce.edu](mailto:prithiviraj@student.tce.edu) |

**For Small Entity/Startup:**

|  |  |  |
| --- | --- | --- |
| Name of Organization |  | |
| Address of the Applicant |  | |
| Contact Number | | Email |
| Proof of Documentation for Startup Status of Applicant | | * Certificate of Incorporation |
| Proof of Documentation for MSME Status of Applicant | | * MSME Certificate |

# For Large Entity

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| --- | --- | --- |
| Name of Organization |  | |
| Address of the Applicant |  | |
| Person of Contact |  | |
| Contact Number | | Email |

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| --- | --- | --- | --- | --- |
| Legal Status of Applicant | | | | |
| * Sole | * Partnership Firm | * Private Limited | * Public Limited | * Others |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Proprietorship |  | | Company | Company | |  |
| If others, please specify: | | | | | | |
| 2. **Inventor(s) Details:**  [Inventor (s) is those who have made an intellectual contribution to the invention, not those who have performed work that they were directed to do.] If there are more than four inventors, please include the details below. | | | | | | |
|  | | Inventor 1 | | | Inventor 2 | |
| a. Full Name | | KUSHAGRA KAPOOR | | | PRANAV ELUMALAI M | |
| b. Nationality/Citizenship | | INDIAN | | | INDIAN | |
| c. Address | | 12, HV9J+3CV, Laban, Lachumiere,  Shillong, Meghalaya-793001 | | | PLOT NO 184, KK NAGAR,MADURAI-20 | |
| d. Contact Number | | 9366267498 | | | 9489346011 | |
| e. Email | | [kushagra@student.tce.edu](mailto:gokulap@student.tce.edu) | | | [pranav@student.tce.edu](mailto:prithiviraj@student.tce.edu) | |

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| --- | --- | --- |
|  | Inventor 3 | Inventor 4 |
| a. Full Name | ROHIT BALAJI |  |
| b. Nationality/Citizenship | INDIAN |  |
| c. Address | D TOP 7,Porkudam Apartments,Porkudam  Main Street,By Pass Road,Madurai-16 |  |
| d. Contact Number | 7904846615 |  |
| e. Email | [rohit@student.tce.edu](mailto:madhavaramanujam@student.tce.edu) |  |

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| 3. **Details of the Invention:** | | | | |
| a. Title of the invention: **Water Quality from Mobile Captured and Google Earth Images** | | | | |
| b. Field of the invention: research paper | | | | |
| c. Is the invention based on | * Product | * Process/Method | * Composition | * Other |
| d. What are the Novel/New aspects of the invention? What is the inventive step?  Helps in identifying good water bodies using remote sensing | | | | |

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|  |
| e. Is there any prior art for this invention:  There are some existing solutions for this problem yet they are available at different websites |
| f. Provide a general overview of your invention, including specific keywords and phrases pertaining to the invention:  Water quality is a general descriptor of water properties in terms of physical, chemical, thermal, and/or biological characteristics |
| g. Describe how the invention is more beneficial or feasible over the prior art.   * + This is used to check pH   + Chemical Oxygen Demand (mg/l)   + Total Dissolved Solids (mg/l)   + Dissolved Oxygen (mg/l)   + Hardness (mg/l) |

h. Provide a detailed explanation of your invention:

To develop a relationship Model between water quality parameters (WQP) and remotely sensed data (RSD

* Water quality is a general descriptor of water properties in terms of physical, chemical, thermal, and/or biological characteristics.
* It is difficult to define a single water quality standard to meet all uses and user needs.
  + pH
  + Chemical Oxygen Demand (mg/l)
  + Total Dissolved Solids (mg/l)
  + Dissolved Oxygen (mg/l)
  + Hardness (mg/l)

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|  |
| i. Provide Drawings, if any. |
| j. Market And Commercial Value of the Invention:  **Cost:** 25,000 |

**Markets Addressed:**

Technology

**Comparative Benefits / Advantages:**

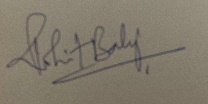
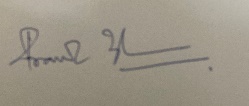
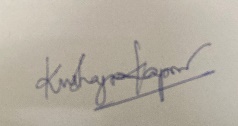
Used to check

* + pH
  + Chemical Oxygen Demand (mg/l)
  + Total Dissolved Solids (mg/l)
  + Dissolved Oxygen (mg/l)
  + Hardness (mg/l)

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| 4. **Disclosure** | | |
| a. Has the invention ever been shown or used in public? | * Yes | * No |
| If yes, Where | When | |
| b. Was any Confidentiality Agreement Signed regarding  the invention? | * Yes | * No |
| 5. **Foreign Patent Protection** | | |
| a. Do you intend to pursue International Patent protection | * Yes | * No |
| If yes, list the countries in which you want to protect your invention:   United States of America | | |

**Details of Inventors:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Designation** | **Department** | **Institutions** |
| KUSHAGRA KAPOOR | PROJECT LEAD | CSE | THIAGARAJAR COLLEGE OF ENGINEERING |
| PRANAV ELUMALAI M | PROJECT MANAGER | CSE | THIAGARAJAR COLLEGE OF ENGINEERING |
| ROHIT BALAJI | FINANCIER | CSE | THIAGARAJAR COLLEGE OF ENGINEERING |

E-Signature of Inventors: 

Date: 01/06/2022