

	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.

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:	<input checked="" type="checkbox"/> Individual/ Startup	<input type="checkbox"/> Small Entity	<input type="checkbox"/> 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		

For Small Entity/Startup:

Name of Organization			
Address of the Applicant			
Contact Number	Email		
Proof of Documentation for Startup Status of Applicant	<input type="checkbox"/> Certificate of Incorporation		
Proof of Documentation for MSME Status of Applicant	<input type="checkbox"/> MSME Certificate		

For Large Entity

Name of Organization				
Address of the Applicant				
Person of Contact				
Contact Number	Email			
Legal Status of Applicant				
<input type="checkbox"/> Sole	<input type="checkbox"/> Partnership Firm	<input type="checkbox"/> Private Limited	<input type="checkbox"/> Public Limited	<input type="checkbox"/> 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	pranav@student.tce.edu		

	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	

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	<input checked="" type="checkbox"/> Product	<input type="checkbox"/> Process/Method	<input type="checkbox"/> Composition	<input type="checkbox"/> 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				

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.

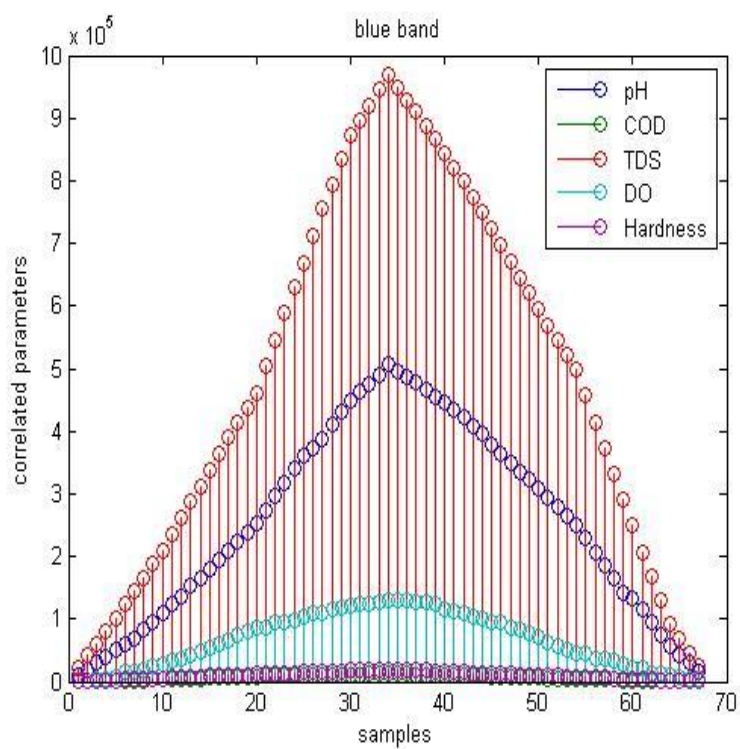
- This is used to check pH
- Chemical Oxygen Demand (mg/l)
- Total Dissolved Solids (mg/l)
- Dissolved Oxygen (mg/l)
- Hardness (mg/l)

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)

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)

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

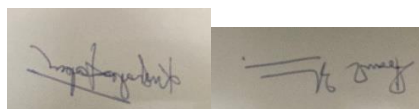
☐ No

If yes, list the countries in which you want to protect your invention: United States of America

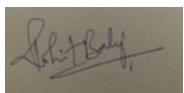
Details of Inventors:

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:



CONFIDENTIAL

A small, rectangular image showing a handwritten signature in dark ink on a light-colored background. The signature is cursive and appears to be "John J. Kelly".

Date: 01/06/2022