

FORM 1 THE PATENTS ACT 1970 (39 of 1970) and THE PATENTS RULES, 2003 APPLICATION FOR GRANT OF PATENT (See section 7, 54 and 135 and sub-rule (1) of rule 20)				(FOR OFFICE USE ONLY)	
				Application No.	
				Filing date:	
				Amount of Fee paid:	
				CBR No:	
				Signature:	
1. APPLICANT'S REFERENCE / IDENTIFICATION NO. (AS ALLOTTED BY OFFICE)					
2. TYPE OF APPLICATION [Please tick (✓) at the appropriate category]					
Ordinary (✓)		Convention ()		PCT-NP ()	
Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()
3 A. APPLICANT(S)					
Name in Full		Nationality	Country of Residence	Address of the Applicant	
Mr Sanat Kumar Pandey		Indian	India	Department of Electronics Engineering Government Polytechnic Lucknow, Uttar Pradesh	
Mr PRAVEER SAXENA		Indian	India	ASSISTANT PROFESSOR, DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING, ITS ENGINEERING COLLEGE, GREATER NOIDA, UTTAR PRADESH	
Ms Akanksha		Indian	India	Assistant Professor, Department of Computer Science, KIET Group of Institutions, Delhi-NCR, Ghaziabad, Uttar Pradesh	
Dr NEERAJ JAIN		Indian	India	Associate Professor, Department of Computer Science & Engineering, Modern Institute of Technology & Research Centre, Jharkhera, Sirmoli Road, Tijara Road, Alwar, Rajasthan	
Prof. (Dr.) Vaishali Mehta		Indian	India	Professor, Department of Information	

			Technology, Panipat Institute of Engineering and Technology, Samalkha, Panipat
Ms Harminder Kaur	Indian	India	Assistant Professor, CSE Department, Panipat Institute of Engineering and Technology, Samalkha, Panipat
Mrs PRIYANKA	Indian	India	Department of Information Technology, Government Girls Polytechnic, Lucknow Uttar Pradesh
Dr Bhuwan Gupta	Indian	India	Modern Institute of Technology and Research Centre, Alwar
Mr Sandeep Bhatia	Indian	India	ASSISTANT PROFESSOR, DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING, RKGIT, Ghaziabad, UTTAR PRADESH
Mr Zatin Gupta	Indian	India	Assistant Professor, Department of Computer Science, KIET Group of Institutions, Delhi-NCR, Ghaziabad, Uttar Pradesh

3B. CATEGORY OF APPLICANT [Please tick (√) at the appropriate category]

Natural Person (√)	Other than Natural Person		
	Small Entity ()	Startup ()	Others ()

4. INVENTOR(S) [Please tick (√) at the appropriate category]

Are all the inventor(s)	Yes (√)	No ()
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same as the applicant(s) named above?		
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If “No”, furnish the details of the inventor(s)

5. TITLE OF THE INVENTION

A System & Method for Smart Irrigation System based on IoT & ML

6. AUTHORISED REGISTERED PATENT AGENT(S)	IN/PA No.	NA
	Name	
	Mobile No.	
7. ADDRESS FOR SERVICE OF APPLICANT IN INDIA	Name	Mr Zatin Gupta
	Postal Address	Assistant Professor, Department of Computer Science, KIET Group of

		Institutions, Delhi-NCR, Ghaziabad, Uttar Pradesh	
Telephone No.		+91- 9899430033	
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Fax No.			
E-mail ID		zatin.gupta2000@gmail.com	
8. IN CASE OF APPLICATION CLAIMING PRIORITY OF APPLICATION FILED IN- CONVENTION COUNTRY, PARTICULARS OF CONVENTION APPLICATION			
Country	Application Number	Filing date	Name of the applicant
9. IN CASE OF PCT NATIONAL PHASE APPLICATION, PARTICULARS OF INTERNATIONAL APPLICATION FILED UNDER PATENT CO-OPERATION TREATY (PCT)			
International application number		International filing date	
10. IN CASE OF DIVISIONAL APPLICATION FILED UNDER SECTION 16, PARTICULARS OF ORIGINAL (FIRST) APPLICATION			
Original (first) application No.		Date of filing of original (first) application	
11. IN CASE OF PATENT OF ADDITION FILED UNDER SECTION 54, PARTICULARS OF MAIN APPLICATION OR PATENT			
Main application/patent No.		Date of filing of main application	
12. DECLARATIONS			
<p>(i) Declaration by the inventor(s)</p> <p>(In case the applicant is an assignee: the inventor(s) may sign herein below or the applicant may upload the assignment or enclose the assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period).</p> <p>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.</p> <p>a) Date:-</p> <p>b) Signature(s)-</p> <p>c) Name(s) _____</p>			

(ii) Declaration by the applicant(s) in the convention country

(In case the applicant in India is different than the applicant in the convention country: the applicant in the convention country may sign herein below or applicant in India may upload the assignment from the applicant in the convention country or enclose the said assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period)

I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our 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) hereby declare(s) that: -

- I am/ We are in possession of the above-mentioned invention.
- The provisional/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(s) to the grant of the Patent to me/us.
- I am/we are the true & first inventor(s).
- I am/we are the assignee or legal representative of true & 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 an 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 been 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.

April 19, 2022



Name & Signature of Applicant

Mr Zatin Gupta et al

13. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION

(a) Form 2

Item	Details	Fee	Remarks
Complete/provisional specification) #	No. of pages: 19		
No. of Claim(s)	No. of claims: 5 and No. of pages: 1		
Abstract	No. of pages: 1		

No. of Drawing(s)	No. of drawings: 2 and No. of pages: 2		
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- (b) Complete specification (in conformation with the international application)/as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies).
- (c) Sequence listing in electronic form
- (d) Drawings (in conformation with the international application)/as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies).
- (e) Priority document(s) or a request to retrieve the priority document(s) from DAS (Digital Access Service) if the applicant had already requested the office of first filing to make the priority document(s) available to DAS.
- (f) Translation of priority document/Specification/International Search Report/International Preliminary Report on Patentability.
- (g) Statement and Undertaking on Form 3
- (h) Declaration of Inventorship on Form 5

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**Total fee ₹.....in Cash/ Banker's Cheque /Bank Draft bearing No..... Date..... on
..... Bank.**

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....**19**...day of...**April**.....**2022**.....

Name & Signature of Applicant



Mr Zatin Gupta et al

**To,
The Controller of Patents
The Patent Office,
Delhi**

Note: Details which are not applicable is marked strike through.