

**IIMT**  
**COLLEGE OF ENGINEERING**  
Greater Noida  
— Aim For Excellence —



# InfoMania

A Quarterly Publication of

DEPARTMENT OF INFORMATION TECHNOLOGY

Volume 9, Issue IX, July -Sept 2022



**IT DEPARTMENT**  
**IIMT COLLEGE OF ENGINEERING**

## Message from the Editor's Desk

### Welcome to the IX<sup>th</sup> issue of our Newsletter, InfoMania!

For this edition, I am really proud that we are about to bring out this issue with the moments that are to be remembered as we have articulated the activities of the IT Department in a frame of achievements by our faculties, our students and staff. These activities have provided us a fantastic experience in collaboration of knowledge sharing, learning, with extensive participation from every member of the Department on expanded horizon.

As an Editor of “Info Mania” it is always my aim that I should maintain the balance between all the contents of the newsletter so that our reader can enjoy the experiences shared here as part of it.

I am a firm believer that by creating new avenues for learning in a way that our readers are going to enjoy the visuals by presenting them in an accordable memory will be of worth as they will definitely feel the necessity of it.

At IT Department, we create, we impart, we support, and we cater the need of skills and talents of our students through our departmental and academic activities.

As the IT department, it is always our responsibility to provide our students a combination of soft skills and personality development activities to make them corporate ready in a best way.

I am really thankful to the Hon'ble Director, and the Dean for the necessary guidance and my faculty members for their support in bringing up this issue in a creative form.

### Activities:

- PATENT
- CODING COMPETITION
- QUIZ COMPETITION
- SMART INDIA HACKTHON
- INTER COLLEGE TOURNAMENT



**Dr.Mahendra Sharma**

**Editorial Board Director, InfoMania**

**IT Department**

**IIMT COLLEGE OF ENGINEERING**



**QUOTE OF THE QUATERLY**

## Faculty Corner

### 1) **PATENT**

**Title of the invention:** A METHOD TO PREDICT WATER QUALITY USING ARTIFICIAL INTELLIGENCE ALGORITHM

**Authors:** i) **Dr. Mahendra Prasad Sharma**      ii) **Ms. Laveena Sehgal**

**RESEARCH ABSTRACT:** The present invention discloses a method to predict water quality using artificial intelligence algorithm. An embodiment of the present invention provides a water quality time series prediction method based on an improved Seq2Seq framework, which includes the following steps: Perform a linear ascending transformation on the covariate  $x_0$  and the target true value  $l$  to make the dimension the same as the width of the hyper parameter hidden layer; Connect the multi-dimensional feature information  $f_1$ , the covariate  $x_1$  after the linear up scaling transformation; Perform a linear up scaling transformation on the covariate of the time step to  $x_T$ , and input the result  $x_2$  of the linear up scaling transformation on the covariate at this stage into the FM model to obtain multi-dimensional feature information  $f_2$ .  $x_2$ .

| Application Details |   |
|---------------------|---|
| APPLICATION NUMBER  | 202211037504 A  |
| APPLICATION TYPE    | ORDINARY APPLICATION  |
| DATE OF FILING      | 19/01/2022  |
| APPLICANT NAME      | <ol style="list-style-type: none"> <li>1. <b>Dr.Mahendra Prasad Sharma</b></li> <li>2. <b>Ms.LaveenaSehgal</b></li> </ol> |
| TITLE OF INVENTION  | A METHOD TO PREDICT WATER QUALITY USING ARTIFICIAL INTELLIGENCE ALGORITHM   |



## DEPARTMENTAL ACTIVITIES

### CODING COMPETITION ON 29-09-2022

An Inter-department Coding competition was held at IIMT College of engineering, Greater Noida on Sept 29, 2022. The coding competition was conducted by Ms Laveena Sehgal, Assistant professor, Department of Information Technology. The competition began with five coding questions asked in which every participant was to solve three for winning, and judgment was based on time complexity & feasibility of code. The coordinators explained rules of the competition. Students participated in coding competition with great enthusiasm. Finally result was declared on the same day and top 3 students were selected. Result was declared on the basis of marks obtained within prescribed time.

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Department of Information technology  
is Organizing

Minor Activity  
**CODING  
COMPETITION**

Date : 29<sup>th</sup> September, 2022  
Time : 3:00 pm to 5:00 pm  
Venue : Computer Lab, Block-A  
IIMT College of Engineering

**PATRONS**

|  |  |
|--|--|
| <b>Prof. Dr. S.S. Tyagi</b><br>Director<br>IIMT College of Engineering | <b>Dr. Mahendra Sharma</b><br>HOD, IT<br>IIMT College of Engineering |
|--|--|

**COORDINATOR** Ms. Iaveena, Assistant Professor, IIMT College of Engineering

**NAAC**  
National Board of Accreditation  
IIMT College of Engineering

**NBA**  
National Board of Accreditation  
B.Tech - CSE & ECE

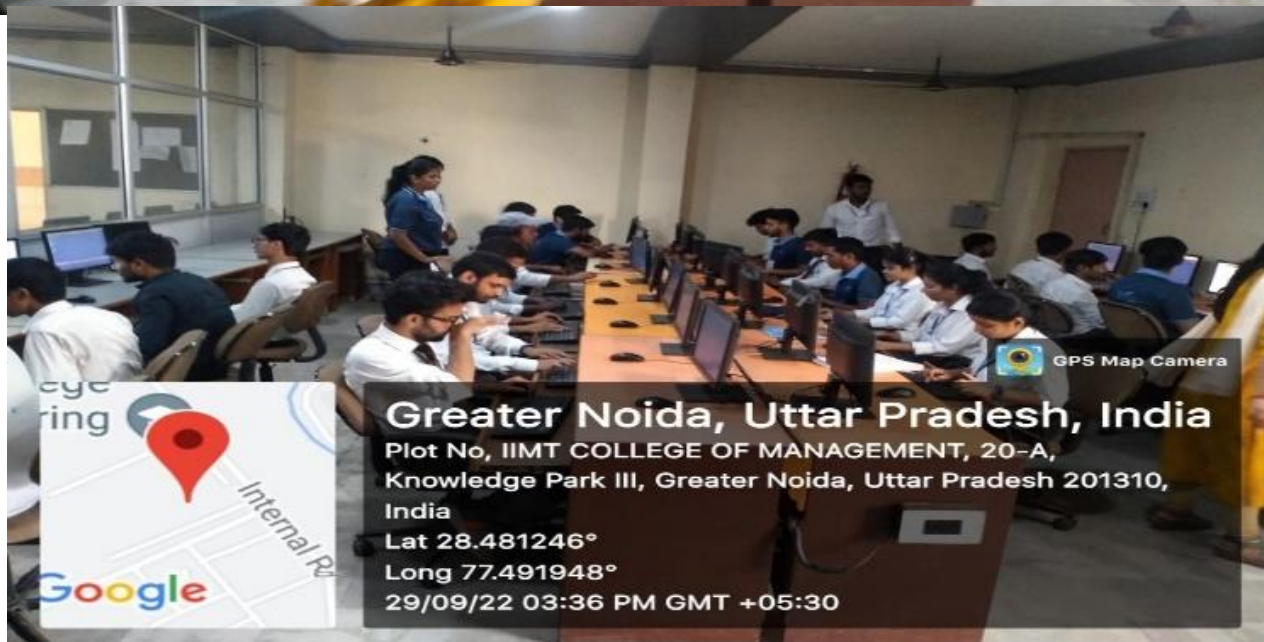
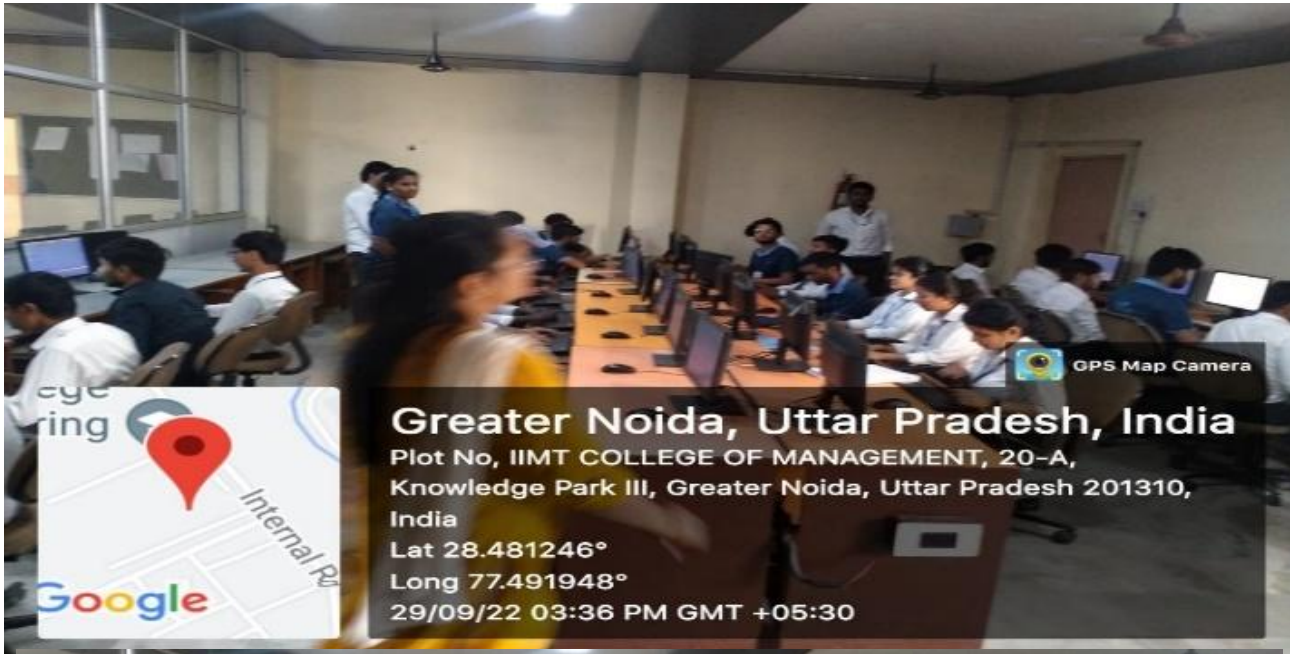
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- a. First Position : HARSHIT TYAGYI (IT 4<sup>th</sup> year)
- b. Second Position : RANJEET KUMAR & PRITAM KUMAR SINGH(IT 3<sup>rd</sup>year)
- c. Third Position : SOHAM SARKAR & AMUL GAURAV (IT 2<sup>nd</sup> year)

## EVENT PICS



## ON 24-09-2022

An Inter-department Quiz competition was held at IIMT College of engineering, Greater Noida on September 24, 2022. The quiz was conducted by Mr. Sachin Bansal, Assistant professor Department of Information Technology. The quiz began with the brief introduction about the quiz and coordinators explained rules of the competition. Students participated in quiz with great enthusiasm. Finally result was declared on the same day and top 3 students were selected. Result was declared on the basis of marks obtained within the prescribed time limit.

**Name of Event:** Quiz Competition

**Name of Department:** IT

**Date and Time:** 24<sup>th</sup> May 2022 at 10:00 AM-11:00 AM

**Name of Co-coordinator:** Mr. Sachin Bansal

**Mode of Event:** Online (Google link)



The poster is for a quiz competition organized by the Department of Information Technology at IIMT College of Engineering, Greater Noida. It features the IIMT logo and a central graphic with the word 'QUIZ!' in large, 3D letters, surrounded by question marks. The text on the poster includes the date and time of the event (24-09-2022, 10:00 am to 11:00 am) and lists the patrons (Prof. Dr. S.S. Tyagi and Dr. Mahendra Sharma) and the coordinator (Mr. Sachin Bansal). A QR code is provided for registration, and social media handles are listed at the bottom.

**Name of Winners:**

- |                    |  |
|--------------------|--|
| a. First Position  | : SAKET SINGH (IT 2 <sup>nd</sup> year)  |
| b. Second Position | : ATUL SINGH (IT 3 <sup>rd</sup> year)   |
| c. Third Position  | : ADARSH KUMAR (IT 3 <sup>rd</sup> year) |



## Students' Corner

### SMART INDIA HACKATHON 2022

Team SMARTAGRO of IIMT College of Engineering was selected for the National level grand finale of Smart India hackathon (SIH 2022) whose nodal center was Erode, Tamil Nadu. Big congratulations to team SMARTAGRO of IIMT College of Engineering for securing 1<sup>ST</sup> runner up in Smart India hackathon 2022 for developing ed-tech platform 'Habit' for National Council of Educational Research and Training (NCERT), DoSEL on problem statement no. KH1153.

**Problem & Statement Title:** To develop assertiveness and negotiation to deal with life's challenges effectively under Team Leader Utpal Rai & mentorship of Prof. Naveen Rathee.



## INTER COLLEGE FOOTBALL TOURNAMENT

## ON 24<sup>TH</sup> SEPTEMBER 2022

On 24<sup>th</sup> September 2022, B. Tech (IT) 3<sup>rd</sup> year students participated in Inter College Football Tournament held at JAMIA MILLIA Islamia, TTI Ground Okhla, New Delhi. The team won 2<sup>nd</sup> Runners Up position in the Sports Event.

### Name of Winners:

- 1) Aditya Kaushik (IT 3<sup>rd</sup> Year)
- 2) Chirag (IT 3<sup>rd</sup> Year)





# InfoMania

## **Editor In Chief**

Dr. Mahendra Sharma

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