



# InfoMania

A Quarterly Publication of

DEPARTMENT OF INFORMATION TECHNOLOGY

Volume XI, Issue-1, Jan - Mar 2023



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

## A Message from the desk of Editor, InfoMania

**Welcome to the X1 issue of our Newsletter, InfoMania!**

I take pride in bring 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 the part of it.

I am a firm believer that by creating new venues 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.

Being 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 Director Sir, Dean Sir and my supportive faculty members who have been supporting me in bringing up this issue in a creative form.

### Activities:

- SPRINGER RESEARCH PAPER
- BOOK PUBLISHED
- WORKSHOP
- GUEST LECTURE
- INTER COLLEGETOURNAMENT

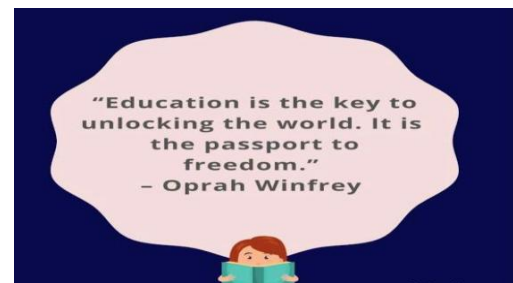


**Dr.Mahendra Sharma**

**Editorial Board Director, InfoMania**

**IT Department**

**HIMT COLLEGE OFENGINEERING**



**QUOTE OF THEQUATERLY**

## Faculty Corner

### 1) RESEARCH PAPER PUBLISHED IN SPRINGER JOURNAL(International Conference On Data Science, Machine Learning and Applications)

**Title of the invention:** Criminal Identification and Comprehensive Analysis Using Decision Tree Classifier

**Authors:** i) Ms. Laveena Sehgal

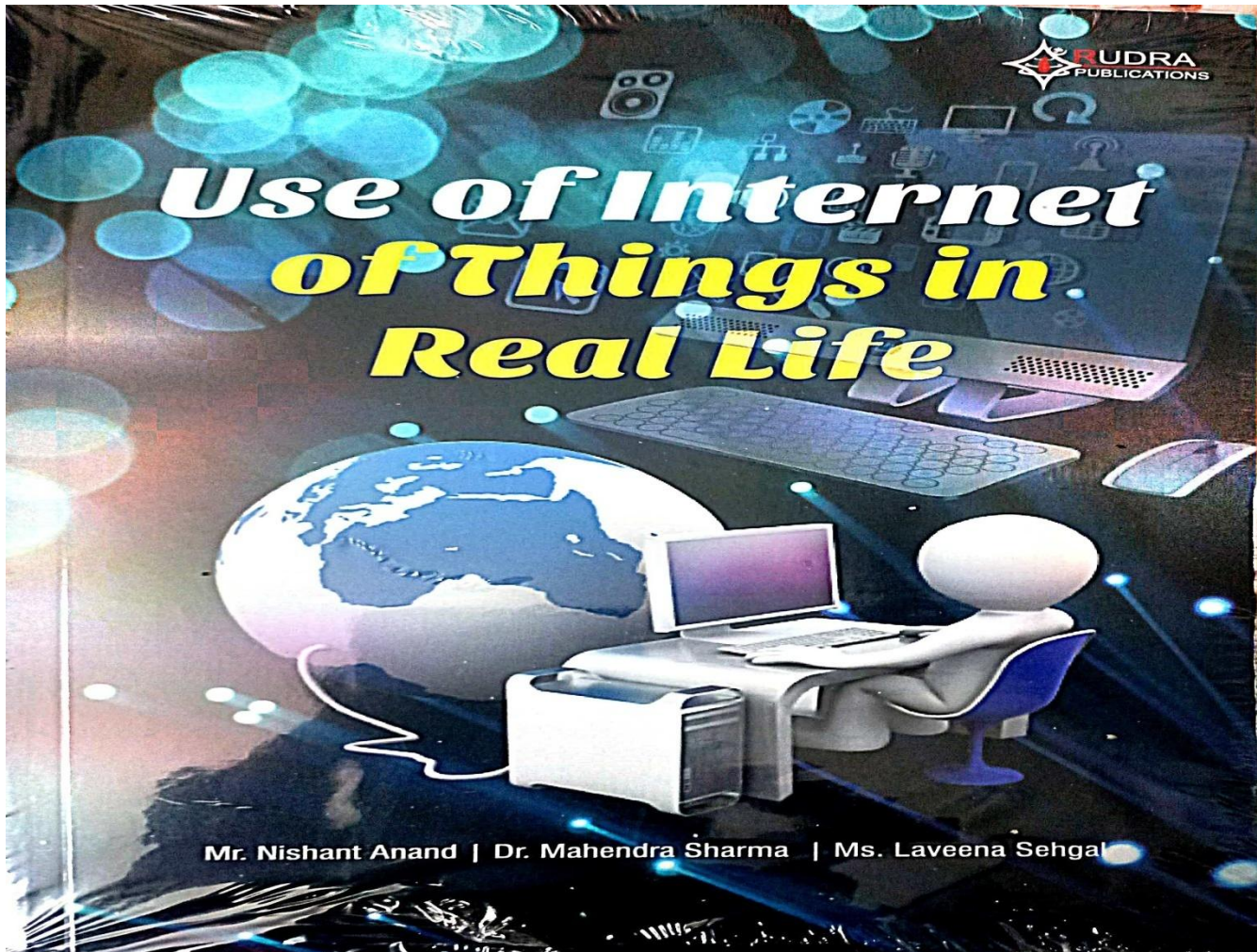
ii) Dr. Mahendra Sharma

#### RESEARCH ABSTRACT:

Machine learning is the process of deriving insights or new knowledge from large data sets. During a criminal investigation, cops collect a mountain of data, but only the most pertinent pieces need to be analysed. So, it's possible to use Machine Learning for this function. The results produced are more sensitive to the choice of Machine Learning technique. This is the main justification for comparing and choosing the best performing Machine Learning algorithm. Anybody can grasp the fundamental idea of utilising a Decision Tree to categorise data. In addition, this paper uses Decision-Tree algorithms and face pattern analysis tools to study criminal faces. This was achieved in MATLAB by using face pattern tools that were embedded into the DT algorithms. The face detection algorithm in the MATLAB platform has also been upgraded to work in real time. Prior work has mostly focused on criminal event data sets but has made no adjustments for real-time functionality. The images of actual criminals have been used to train and test the face data sets that have been stored. In our experiments, the proportion of correct predictions of faces has increased by 2%. The test accuracy provided by the prior work is 78%, while the proposed method is 80%.

## 2) Book Published: Use Of Internet Of Things in Real Life

Authors: i) Mr. Nishant Anand    ii) Dr. Mahendra Sharma    iii) Ms. Laveena Sehgal



The book titled Use of Internet of Things in Real Life covers complete case studies of Internet Of Things in Real Life with better conceptual understanding of IoT devices in the form of wearable and smart homes make life easier. Wearable cover accessories such as Fit bit, smart phones, Apple watches, health monitors, to name a few.

These devices improve entertainment, network connectivity, health, and fitness. IoT applications are widely used in industrial automation and manufacturing. GPS and RFID technologies can let a manufacturer track a product

## DEPARTMENTAL ACTIVITIES

### Workshop on “ENTREPRENEURIAL MOTIVATION AND BUSINESS IDEA”

The Department of IT organized a workshop on “ENTREPRENEURIAL MOTIVATION AND BUSINESS IDEA” on **17 FEB 2023** at 11:00 AM onwards under IIC. Mr. Sonu Prakash is the CEO & Founder of APPWARS Technologies Pvt. Ltd. He is a Motivational Speaker, Life Coach & Entrepreneur.

Mr. Sonu Prakash highlighted topics such as having the attitude of a millionaire, networking and becoming an entrepreneur. According to him, entrepreneurs should have a mindset similar to that of a global company and be prepared to encounter adversities along their path as entrepreneurs.

The poster is for a session organized by the Institution's Innovation Council (IIC - IIMT) and the Department of Information Technology. It features the logos of IIMT College of Engineering, Greater Noida, and the Ministry of Education Initiative. The session is titled "ENTREPRENEURIAL MOTIVATION AND BUSINESS IDEA" and is led by Mr. Sonu Prakash, CEO & Founder of APPWARS Technologies Pvt. Ltd. The event is scheduled for Friday, February 17, 2023, at 11:00 AM onwards in Sarabhai Hall. Faculty coordinators include Mr. Chaman Kumar and Ms. Bandana Jha, while student coordinators are Mr. Gaurav Yagvalya and Mr. Utpal Rai. Social media handles for IIC, IIMT, and IICIIMT are provided at the bottom.



Workshop in Progress

## WORKSHOP ON “ENTREPRENEURSHIP SKILL ATTITUDE AND BEHAVIOUR”

The Department of IT organized a workshop on “ENTREPRENEURSHIP SKILL ATTITUDE AND BEHAVIOUR” on 21 Feb 2023 at 11:00 AM onwards under IIC. The Chief guest was Mr. Ranu Mishra is an expert in Java / python / business development currently Business Head Shapemyskills .

**INSTITUTION'S INNOVATION COUNCIL**  
(Ministry of Education Initiative)

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

Institution's Innovation Council (IIC - IIMT) &  
Department of Information Technology

jointly organising  
**Session on**

**ENTREPRENEURSHIP SKILL ATTITUDE AND  
BEHAVIOUR DEVELOPMENT**

**Speaker**  
Mr. Ranu Mishra  
Business Head Shapemyskills

**Date: Tuesday, February 21, 2023 | Time: 11:00 AM Onwards**

**Venue - SARABHAI HALL**

**FACULTY COORDINATORS**  
Mr. Chaman Kumar | Ms. Bandana Jha  
Assistant Professor, IT | Assistant Professor, IT  
IIMT College of Engineering | IIMT College of Engineering

**STUDENT COORDINATORS**  
Mr. Gaurav Yagvalya (3<sup>rd</sup> Year) | Mr. Utpal Rai (Final Year)

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Mr. Ranu Mishra addressing audience

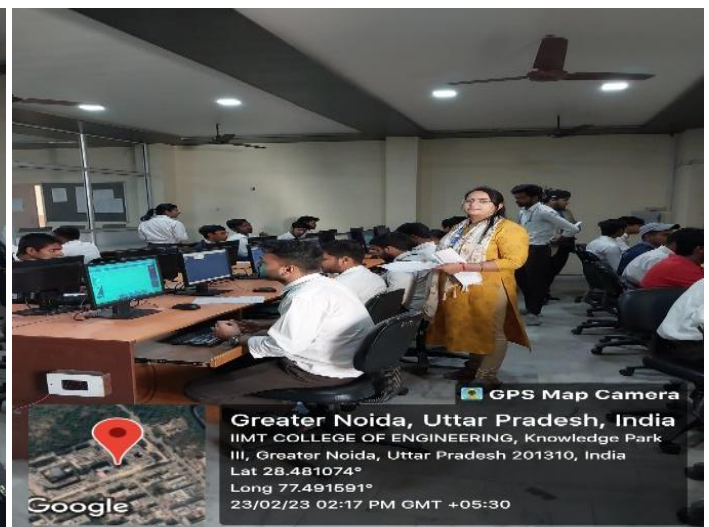
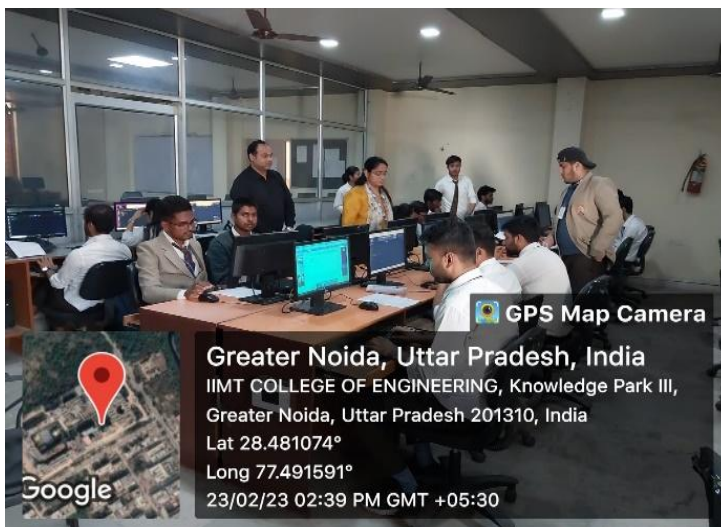
## Coding Competition on “PROBLEM SOLVING AND IDEATION ”

The Department of IT organized a “Coding Competition” on **23 Feb 2023** at 1:40 PM. The competition was open to all undergraduate students of various engineering disciplines.

The competition was held in one round where students were given two hours to solve a set of coding problems using any programming language of their choice. The problems were designed to test the participants' problem-solving skills, programming proficiency, and time management abilities. The top 3 students were declared winners of this competition.



**IIMT COLLEGE OF ENGINEERING, GR.NOIDA**  
 DEPARTMENT OF INFORMATION TECHNOLOGY  
 Conducting  
**Coding Competition  
 Under  
 Coding Club**  
 Club Faculty In charge: Ms . Bandana Kumari  
 Assistant Professor  
**Date: Thursday, February 23, 2023 | Time: 1:40 PM**  
 Club Student coordinators: Sandhya Amrit, Soham Sarkar, Tanu & Naval Kishor Jha



Coding Competition in progress

## Workshop on “QUALITY ASSURANCE AND QUALITY CONTROL”

The IT department organized an Alumni Connect Session on the topic “Workshop on QA & QC” on 17<sup>th</sup> March’ 2023. The speaker for the workshop was Mr.Karan Parihar & Mr. Siddharth Mishra they are alumnus of batch 2017-2021 currently working as a Quality Control Engineer & Quality Analyst Engineer. They started their session by sharing their college journey. The workshop started by sharing an overview about QA/QC .

**IIMT ALUMNI ASSOCIATION**

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

Department of Information & Technology  
organising

Workshop on Quality Assurance (QA) and Quality Control (QC)

**ALUMNI CONNECT**

**Mr. Karan Parihar**  
(Batch 2017-2021)  
QC Engineer, Mirchi plus

**Mr. Siddharth Mishra**  
(Batch 2017-2021)  
Quality Engineer, Pocketfm

Venue : Sarabhai Hall

Friday, 17th March, 2023 | 10:00 AM - 12:00 PM

www.iimtindia.net @iimtIndia @iimtNoida @iimtMeerutGreaterNoida @iimtGroupofColleges



Alumni Session in Progress



## Students' Corner

### INTER COLLEGE VOLLEY BALL RUNNER -UP TOURNAMENT

IT 3<sup>rd</sup> year students participated in Inter College Volley Ball Runner – UP Tournament, Sport event held at HIMT GROUP OF INSTITUTIONS , GREATER NOIDA on ON 22<sup>TH</sup> MARCH 2023.

Name of Winners:(IT 3<sup>rd</sup> Year)

1) Ankit 2) Aditya Kaushik 3)Chirag 4)Arvind





**Spriesta HIMTG**

**HIMT GROUP OF INSTITUTIONS**  
 (Approved by AICTE/BCI/PCI/NCTE/BTE and Affiliated to AKTU, Lucknow/ CCSU, Meerut)  
 8, Knowledge Park-I, Greater Noida- 201 310

*Certificate*

This is to certify that Mr/Ms ARVIND from IIMT has participated in Spriesta HIMTG organized on March 22, 2023.  
 He/She has been awarded as player of runner - up team in the event Volleyball.

*[Signature]*  
Convener

*[Signature]*  
Secretary

*[Signature]*  
Director General

# InfoMania

## Editorial Board

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