Himanshu Pandey

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EDUCATION

Master of Science
(Mathematics)

Delhi Technological University

📅 2021   📍 New Delhi, India

▪ **CPI: 7.84/10**

Bachelor of Science
(B.Sc. (Hons) Mathematics)

University of Delhi

📅 2017   📍 New Delhi, India

▪ **80.34**%

CLASS XII (CBSE)

Saraswati Vidya Mandir Rambagh

📅 2013   📍 Basti, India

▪ **87.6**%

CLASS X (CBSE)

Saraswati Vidya Mandir Rambagh

In 2011   📍 Basti, India

▪ **9.4/10**

TECHNICAL SKILLS

- Matematica, Matlab

SCHOLASTIC AWARDS

- Received **Academic Excellence Award** from SVM for highest marks in Mathematics 2013.
- Secured 4th Position in District Speech Competition
- Secured outstanding grades in 4 subjects in III semester in M.Sc.
- Secured 3rd , 9th , 14th rank in III , IV and V semester respectively from Deshbandhu College
- **Appearing in Bachelor of Education (Last Semester)**

RESEARCH INTEREST

1. Cryptography
2. SIR Method for Epidemic
3. Ecology using Game theory
4. Artificial Intelligence using Fuzzy logics
5. Business Model using operation Research

ACADEMIC PROJECTS

1. **Cryptography (Linear Algebra)**
   (Course Project)
   - ❖ Under Guidance of Prof. Anjana Gupta.
   - ❖ In this Project we utilized the concept of Linear algebra to encrypt and decrypt the messages.

2. **A 100 Years of Global Maladies**
   (Course Project)
   - ❖ Under Guidance of Dr. Nilam.
   - ❖ In this Project we used SIR method to measuring and preventing COVID-19

3. **Evolutionary Game Theory**
   (Course Project)
   - ❖ Under Guidance of Prof. Anjana Gupta.
   - ❖ In this Project we used game theory to understand the behavior of animals.

4. **Graph theory of Vendee-Expedient System**
   (Course Project)
   - ❖ Under the Guidance of Prof. Sangita Kansal.
   - ❖ In this project we discussed a cutting of Scientific American newspaper article using Google page rank algorithm

5. **Fourier series and its application**
   (Course Project)
   - ❖ Under the Guidance of Dr. Satyabrata Adhikari.
   - ❖ We discussed Fourier series and its real life aspects

DISSERTATION

Finite Difference Methods for Partial Differential Equations

- ❖ Under the Guidance of Prof. Aditya Kaushik
- ❖ Submitted in International Virtual Conference on Mathematical Modelling, Analysis and Computing. IC-MMAC-2021 Organized by Department of Mathematics Thiruvalluvar University

Course Work

Master of Science Courses:

- Ordinary Differential Equation
- Mathematical Statistics
- Linear Algebra
- Numerical Methods
- Operation Research
- Graph Theory
- Fuzzy Logics and Set

CERTIFICATES AND ACTIVTIES

Coursera Certificates (1-7)
1) Machine learning authorized by Imperial College London
2) Python authorized by Google
3) Data Science with Math's Skill authorized by Duke University
4) Big Data authorized by UCSanDiego
5) Graph Theory authorized by UCSanDiego
6) Fibonacci Numbers authorized by Hong Kong University
7) Cryptography authorized by University of Maryland
8) Member of Mathematics Society of Deshbandhu College
9) For attending one day workshop "**Creating Awareness about Financial Markets for Future Investors**" by Bank of Baroda Pioneer Mutual Fund
10) National Quiz on "**Vedic Mathematics**" from Uttaranchal University

Teaching Experience

➢ Post Graduate Mathematics Teacher in Shri Ram Public School Basti

🗓 2017-2019   📍 Offline/Online

▪ Teaching Class XI and XII Mathematics

➢ Post Graduate Mathematics Teacher in Little Flowers' School Basti

🗓 2021-till now   📍 Offline/Online

▪ Teaching Class XI and XII Mathematics

Hobbies

- Watching movies/series
- Travelling
- Playing Musical Instruments