

# CURRICULAM VITAE

## SONICA UPADHYAY

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**CAREER OBJECTIVE:** To pursue a challenging career and be part of a progressive organization that gives scope to enhance my knowledge, skills and to reach the pinnacle in the computing and research field with sheer determination, dedication and hard work.

## ACADEMIC DETAILS:

YEAR	Degree/Exam	Institute	Percentage
2014	M.Tech (CS)	Banasthali Vidyapith, Banasthali (Rajasthan.)	75.7 %
2011	B.Tech (CS)	UP Technical University, Lucknow	70.6 %
2007	Sr. Secondary	T.R.Girls Inter College, UP Board, Aligarh	65.6 %
2005	Secondary	T.R.Girls Inter College, UP Board, Aligarh	59.0%
	Phd(Pursuing, CS)	Banasthali Vidyapith, Banasthali (Rajasthan.)	

## TRAININGS:

INSTITUTE/ORGANIZATION	DURATION	PROJECT
1) Guru Gobind Singh Indraprastha University (Govt. of NCT of Delhi), New Delhi	Ten Months M.Tech Dissertation (June,2013-March 2014).	Unsupervised Neural Networks For Image Processing
2) ACET, Aligarh	Two months B.Tech Project (July 2010-August 2011).	Question Paper Generator

## PROJECTS AND WORK DONE:

- **M.Tech 2<sup>nd</sup> year Dissertation: "Unsupervised Neural Networks For Image Processing"**

M.Tech Dissertation was done at Guru Gobind Singh Indraprastha University (Govt. of NCT of Delhi), New Delhi, under the guidance of Prof. C.S. Rai, Dean, University School of Information, Communication, and Technology (USICT). This project aim is to present a system that can help to identify the image by analyzing a pair of images with the help of Kohonen Self Organizing Feature Map. This system classifies a given input (an image) and identifies it, known as

Recognition System. In this Process test image is compare to all trained image database. The Simulation Results on image Recognition achieves the closeness of images i.e. similarity matching. This work can be very helpful in Fraud image detection.

- **B.TECH Project final year: "Question Paper Generator"**

**Project Abstract:** This website is intermediate between examination controller and teacher. The purpose is to enable the faculty to search for the specialization question. Using this website, users can place their requirements and hence can retrieve the information needed sitting at their place.

### **Teaching Experience: Five Years (08)**

- I have worked as Assistant Professor in Trinity Institute and Higher Education which is affiliated from Guru Gobind Singh Indraprastha University, New Delhi (2015-2016).
- I have worked as Assistant Professor in Computer Science Department in Baba Saheb Ambedkar Institute and Technology, Vikas Puri, New Delhi, since (2017-2019).
- I have worked as Assistant Professor (Guest Basis) in Department of Computer Science & Engineering, Gautam Buddha University, Greater Noida, Gautam Budh Nagar (UP), since 27 January 2020 to 10 march 2021.
- Currently I am working as Assistant Professor in Maharaja Surajmal Institute of Technology(MSIT) affiliated to GGSIPU University, New Delhi.

### **Research & Publications (2022)**

1. Sonica Upadhyay "Crypto Currency Price Predictor", *IJARESM*, vol. 10, ISSN:2455-6211.
2. Deepika Gupta, Vishnu Chauhan, Sonica Upadhyay, Manoj kumar Khanna, Rajesh kumar "General Methods for Fabrication of Sensing Devices", Smart Nanostructure Materials and Sensor Technology, ISBN 978-981-19-2685-3 , <https://doi.org/10.1007/978-981-19-2685-3>
3. Vishnu Chauhan, Deepika Gupta ,**Sonica Upadhyay**, Jagjeevan Ram, Shalendra Kumar and Rajesh Kumar "Advancment of High-k ZrO2 for Potential Applications: A Review", *Journal (SCI)*, vol. 59, 811-826, 2021. [
4. 3. Deepika Gupta, Vishnu Chauhan,**Sonica Upadhyay**, N.Koratkar, Fouran Singh, Shalendra Kumar, Aman Mahajan, Ramesh Chandra, Rajesh Kumar "Defects Engineering and enhancement in optical and structural properties of 2D-MoS2 thin films by high energy ion beam irradiation" *Journal (Material Chemistry and Physics)*, Publisher(**ELSEVIER**) vol. 276(2022) 1245422, 2021, Impact Factor:4.5

### **PERSONAL PROFILE:**

Name : **Sonica Upadhyay**  
Gender : Female  
Marital status : Single

Nationality : Indian  
Father's Name : Shri. Ram Kumar Upadhyay  
Mother's Name : Smt. Suman Upadhyay  
Permanent Address : A-48A lane 4 Dwarkapuri Vijayenclave New Delhi 110045  
Hobbies : Listening to Music, Playing Badminton.  
Personal Strength : Self-confidence, Optimism, Hard working and Honesty.

**DECLARATION:** I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

**Date:** 11-09-2024

**Place:** New Delhi

**(Signature)**

**Sonica Upadhyay**