

SANDHYA TARAR

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Professional Qualification-

- M.Tech. in Computer Science and Engg. from A.M.U., Aligarh with 1st Division.
- B.Tech. in Computer Science and Engg. from U.P.T.U in 2005 with 1st Division.
- Diploma in Electronics Engineering from Board of Technical Education, Lucknow with 1st Division.

Publications-

- Tarar,Sandhya , “Count Measures in Modern Science” in National Seminar on “Recent Trends in Science, Technology and Its Applications” organized by S.D.C.E.T, M.Nagar, 2006
- Tarar Sandhya, S.P. Singh, Shekhar Singh , “Emergence of the Computing Clouds:Performance Evaluation” in National Conference on “A National Level Conference on Issues and Challenges in Internet and Mobile Computing” organized by I.M.R. Ghaziabad,2009

Achievements-

- Member, AICTE National Board of Accreditation (NBA) preparation committee for the department of Information Technology at MIET Meerut.
- Committee Member, Excellence Award Committee at M.I.E.T. Meerut.
- Worked as a Member of Academic Planning, Monitoring and Research Committee at M.I.E.T. , Meerut.
- Participated in Global Service Technical Training On “**Storage Technology Foundation**” organized by EMC.
- Have attended “**Short Term Program in Bio-Informatics**” organized by Anand Engineering College , Agra.
- Worked as Head of Cultural and Extra Curricular Activities at S.D.C.E.T , M. Nagar.

- Worked as the **Controller of Examination** (at departmental level) at B.M.A.S. Engineering College, Agra.

Research-

1.Title- Fuzzy Inference System using Matlab

Team Size-01

Technology-MATLAB, SQL SERVER 2005.

Duration- 6 Months.

Description-

This was my dissertation project. In this project, Various Inference system have been modelled and designed for commercial uses. With this, Simulation of Boiler Controller has been designed and implemented.

There were three modules in this project-

- Bank Inference System
- Medical Inference System
- Boiler Controller Simulation System

These three modules were successfully implemented using MATLAB and SQL Server 2005.

2. Title- Automatic Fingerprint Matching System using MATLAB

Team Size-1

Technology-MATLAB, SQL SERVER 2005.

Duration- 4 Months.

Description-

In this project, Fingerprint Matching has been done. It is useful for various purposes like authorization in Banking, Industries and even in Institutes has included high level of efficiency with the help of wavelet transformation.

There is various modules in this project-

1. Image Loading
2. Image Enhancement
3. Enhancement using Wavelet Transformation
4. Binarization
5. Minutia Extraction
6. Percentage of Matching Calculation

3.Title- Web Portal Application-An NGO

Team Size-3

Technology-ASP.net,SQL SERVER 2005.

Duration- 3 Months.

Description-

This is the project based on an NGO functionality. In this project, an NGO named CASA, portal have been designed and implemented.

Responsibilities-

- Coded Entire Process Module.
- Involved in the understanding the application, Designing and coding.
- Involved in creating database tables.
- Participating in weekend reviews with team members.
- Involved in designing the pages.
- Developed the application logic and implementation.

4.Title- “Adhoc Networks using MANET”

Team Size-2

Technology- Linux.

Duration- 4 Months.

Description-

This project is based on Mobile Adhoc Network. In this project Adhoc network has been designed and implemented with the help of MANET.

Responsibilities-

- Involved in the understanding the application, Designing and coding.
- Involved in creating database tables.
- Participating in weekend reviews with team members.
- Involved in designing the pages.
- Developed the application logic and implementation.

5. Title- Web Portal Application-An NGO

Team Size-3

Technology-ASP.net,SQL SERVER 2005.

Duration- 3 Months.

Description-

This is the project based on an NGO functionality. In this project, an NGO named CASA, portal have been designed and implemented.

Responsibilities-

- Coded Entire Process Module.
- Involved in the understanding the application, Designing and coding.
- Involved in creating database tables.
- Participating in weekend reviews with team members.
- Involved in designing the pages.

Developed the application logic and implementation

6.Title- Information System Management

Team Size-3

Technology- Java

Duration- 3 Months

Description-

This project provides Information Management facility with extended functionality for commercial use.

Responsibilities-

- Worked in the understanding the application, Designing and coding.
- Created database tables.
- Participating in weekend reviews with team members.
- Involved in designing the pages.

Developed the application logic and implementation

7.Title- Safe Home Management System

Team Size-01

Technology-Visual Basic, Microsoft Access

Duration- 3 Months

Description-

This project provides all the security measures to keep a home secure as fire alert,theft detection,flood detection etc.with the help of this, owner of the house can be informed.It can be used for commercial use.

Responsibilities-

- Worked in the understanding the application, Designing and coding.
- Developed the application logic and implementation

8.Title- Inventory Management System

Team Size-03

Technology-Java, Microsoft Access

Duration- 4 Months

Description-

This project provides the whole management of Inventory with extended functionality.

Responsibilities-

- Worked in the understanding the application, Designing .
- Developed the application logic and implementation

Teaching Experience-

B.Tech

- Lecturer at SDCET, M.Nagar .

- Lecturer at BMAS, Agra.
- Lecturer at MIET, Meerut.
- Senior Lecturer at MIET, Meerut .
- Senior Lecturer at AIMT from Aug'09 to Oct 09.
- Currently working as Faculty/Research Associate at Gautam Buddha University Greater Noida .

Professional Affiliations-

- Life Time Member of ISTE (Indian Society of Technical Education)
- Life Time Membership of CSI(Computer Society of India)

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