



SANA ABBAS

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EDUCATION & QUALIFICATIONS

Bachelors in Electrical Engineering (Candidate)

Current

Namal Institute, Mianwali

CGPA: 3.44/4

Intermediate in Engineering

Oct, 2017

Superior College Mianwali

Marks: 978/1100

PROJECTS

Telemonitoring via Mobile Robot: The primary objective of our project is real-time monitoring of the environment via a mobile robot through rotational camera using raspberry pi.

Implementation of CBR and ID3 Algorithms from Scratch: Case-Based Reasoning (CBR) and ID3 are implemented on zoo data-set from scratch and there performance is exhaustive analyzed from different perspectives.

Solar Tracking System(Embedded System): Automatic tracking system is designed, which can locate the position of the sun and adjust the solar panel accordingly.

Tic Tac Toe using C: Unbeatable game is designed with the computer.

Traffic Light Control(Embedded System): Design and Implemented Traffic Control light System that gives priority to ambulance in any lane.

Search Engine using Data Structures: The purpose was to implement the different algorithms for fast and efficient Search Engine algorithm.

Variable Gain Audio Amplifier: Implementation of variable gain amplifier using discrete components. For analysis, ORCAD was used.

Social Experiment(Impact of Mass Media): Research is done by using the terminologies and methodologies of sociology. Different interviews were conducted with the teachers students to collect the data.

Handwritten Multi-digit recognition using Artificial Neural Network: Artificial Neural Network is designed to recognized the handwritten digits.

ADDITIONAL EXPERIENCE

Technical Assistant, Namal Institute Mianwali

Feb 2020 – May 2020

- Worked as Technical Assistant of physics with Dr. Ehsan Ullah.

HONORS & AWARDS

- Merit based Scholarship at Namal Institute Mianwali in BSEE (2017).
- PEEF scholarship holder (2017 – present).

SKILLS & INTERESTS

- Competent user of Microsoft Word, PowerPoint, Excel, MATLAB, Overleaf, ORCAD, Proteus.
- Interests: Freelancing, Movies, Painting & Sketching, Music, Designing Charts.