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OBJECTIVE

Leading Konem Solutions and making it as a renowned world player

EDUCATIONAL QUALIFICATIONS

- M.S. in Electrical Eng, Specialization in Control Engineering, University of Alabama in Huntsville, AL, USA
- B.E, Specialization in Instrumentation and Control, Pune University, India.
- Honors in Advanced Diploma in Computer Software and System Analysis, Institute of Business Management and Research, India. Stood *First* in Class with *First Class*.

RELEVANT WORK EXPERIENCE

- Currently own a Firm in the name M/S Konem Solutions. We specialize in Image Processing and provide solutions to various Industries, those including Automobile, Engineering, Biomedical, etc
- Worked in NST Enterprise, as a design engineer. Responsibilities include image processing of the seam, and automatic control of the seam joint, using Baldor's Motion Control card interface.
- Worked as a Teaching Assistant, with University of Alabama at Huntsville.
- Worked on building an ECG machine with the help of micro controllers. The device build was used to monitor heart related diseases.
- Responsible for teaching laboratories like Electronic Devices and Design.
- Assisted students in project work, lab work and provided help on micro controllers.

RELEVANT PROJECTS

- Developed Machine Vision System to detect variation in a product and with Poka-Yoke any chances of product not been properly inspected was eliminated
- Developed application in Biomedical, which are used to convert 2D images into 3D images which were applied in USG and CT/MRI application.
- Micro controller Based Continuous Level Indicator - Using the power of micro-controller and pressure sensor, designed a continuous level indicator, capable of displaying any non-corrosive liquid level, whose density was known.
- Simulation Project of a PI robot arm control – Designed a P-I Controller to control a robot arm and successfully simulated the output in simulation software called VISSIM.
- Simulation Project of Disturbance Accommodating Controller on the Missile - Successfully designed a DAC controller to cancel out the entire disturbance acting on the missile and simulated the system in VISSIM and MATLAB/SIMULINK. Observed that the DAC controller is much far better than using the conventional PID controller.
- Micro-controller 8031 programming by C language – Used C language to program the micro-controller and then to convert it into binary code to display level.

- Machine Information System – Developed a machine information database system in FoxPro for a leading Indian automobile company BAJAJ, which was used to replace the original paper based system and was far more effective in finding the machine related information and its inventory.
- Successfully simulated Continuous Level Controller using VISSIM as the simulation software package. Could be implemented on online processes with slight modification.

SEMINARS

- Instrumentation in Paper and Pulp Industry- Presented a seminar on the concepts of engineering involved in a paper and pulp industry and discussed the various processes.
- Electrical Hazards Present in an Industry - Presented a seminar on the electrical hazards present in an industry and showed the various means of avoiding such possible hazards.

SKILLS

- Simulation and Modeling Software's
 - VISSIM (Simulation Software for Control Design)
 - SIMULINK, MATLAB and MATHCAD
 - PLC Ladder Diagram Programming
 - Electronics Workbench
- Computer Skills
 - Languages: C, Oracle, Pascal, FoxPro
 - Operating Systems: DOS, WIN 95, 98, 2000, NT