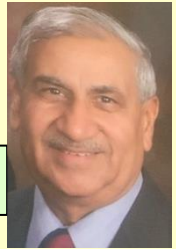


Productive Systems

Dr. Rakesh Pangasa, Ph.D. Industrial Engineering



Current Projects...

Contact: RPangasa@ProductiveSystems.org

+1 928 446 8310

We shall welcome an opportunity to discuss how your organization can benefit from our services...



Providing solutions to business problems by utilizing, as and when necessary, students and faculty from different disciplines, on a contracted project basis for improving operational efficiencies and organizational productivity in every category of business activity including **operations, information systems, data analytics** and **Supply Chain Management**.



Providing assistance to all participants, including parents, teachers, individual schools, school districts, and other educational entities in ensuring appropriate education services to students with special needs and training services to teachers for professional development. **Clients:** Harvest Preparatory Academy

Clients: Currently collaborating on "Learning How to Learn" with **Universities** in Varanasi, Goa, Chandigarh, and Delhi; for edge computing, virtualization, and hyperconverged solutions with **Scale Computing**; and for Improving awareness of productivity-enhancement technological developments among local businesses and community with **NPG Broadcasting**.

Completed Projects...



Optimized model for **scheduling human resources** for Yuma Anesthesia Medical Services
Developed **Online Training Modules** for YRMCCare Physician Training Program



Configured and maintained a SCO UNIX-based filing and retrieval information system at six health clinics in and around Yuma, Arizona, and replacing the system by a Windows NT-based system.

Operations and project management training manual on *Wet Flue gas Desulfurization System* at Marshall Steam Power Station
Energy audit operations analysis at GCC-Dakota cement plant
Project management training on *SO₃ Mitigation Dry Sorbent Injection System* at a few power plants of American Electric Power



Presented a workshop on Productivity Improvement in Indian Cement Industry, at The International Rotary Kiln Users Association (TIRKUA)



Conceptual design and development of an **online business model** for maintenance and repair services – a new startup company



Judging Spellman High Voltage Electronics Clean Tech Competition for international high school students

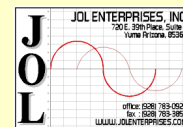
As Senior Computer Systems Analyst, completed a project on Future Combat Systems Software Interoperability at Yuma Proving Ground



Developed and implemented a marketing plan for Adelphia Communications to improve its market share.



Researched products for commercial exploitation; developed a product. Developed a web-based Operational Analysis Data Analyzer and web-based Intranet components for improving operational responsiveness and organizational efficiencies; Provided Internship assistance



Designed and developed a network system and website for organizational efficiencies. Provided Internship assistance

Developed an information system for transforming ready-mix-concrete enquiries into potential orders, and improved concrete mix designs. Developed a business plan for improving Rinker's market share in ready mix concrete



Helped in organizing, participated in, and presented at 2006 IEEE-IAS/PCA Cement Industry Technical Conference, Phoenix Arizona



Designed and drafted civil engineering designs using AutoCAD. Designed and developed an interactive data base for managing project files. Designed and developed an interactive tool for assessment of structural, architectural, electrical, mechanical, and plumbing facilities at several buildings in Yuma County.



Developed online interactive program for testing statistical proficiency.