

ENGINEERING INTERN

Summary

looking for an opportunity as an engineer or related position which offers key participation, team-oriented tasks, immediate challenges and career opportunities in a reputed organization which will help me deliver my best and upgrade my skills in engineering and meet the demands of the organization. To utilize my technical skills for achieving the target and developing the best performance in the organization. I would like to implement my innovative ideas, skills and creativity for accomplishing projects.

Skills

- Know-your-consumer (KYC)
- Statistical process control
- Cost reduction and avoidance
- Systems Engineering
- Systems Engineering management
- Software systems engineering
- Quality control
- Failure analysis
- Tools of operations research
- MS Office
- Auto CAD

Experience

06/2014 to 06/2014

Engineering Intern Company Name

- Develop, evaluate, document, and advance manufacturing methods and processes through Lean techniques and Kaizen Events.
- Analyse production layouts, designing and implementing efficiency and quality improvement projects across production lines.
- Collaborate with administrative and financial teams to establish viable support of safety standards.
- Provide ongoing production support and troubleshooting.
- Noticeable Contribution: Prepared report on project status for management, conceptual design as well as process development Monitored production tables, studied industry engineering specifications to obtain knowledge of production methods and techniques.
- Directed workers involved in different operations such as: product measurement, inspection and testing activities to ensure quality and reliability.

Engineering Intern Company Name

- Installed, maintained, and operated mining and oil field equipment.
- Designed and implemented environmental controls on oil and gas operations.
- Presented a paper in the university.
- Trained in hydraulic fracturing and acid treatment Noticeable Contribution: I was involved in a multidisciplinary team for reservoir simulation and development.
- The responsibilities included: running routine and special core analysis on different reservoir core samples, reservoir characterizations, and reservoir simulation.
- This project gave me exposure to the following: refining process working of crude distillation units hydro-cracker unit fluid catalytic cracking unit continuous catalytic reforming unit visbreaker unit isomerisation unit diesel hydro -desulphurisation unit.
- Projects: NATURAL AND ESSENTIAL OILS PVT LTD.
- Performed the extraction of essential oils from flower called tuberose and convert it to the desired product using an Rota-vapour distillation apparatus, and a full scale quality analysis was carried out in the lab which included the GCMS (gas chromatography mass spectrometer).
- Noticeable Contribution: Calculated production accuracy, yield and testing equipment to propose corrective actions.
- Employed statistics to analyze manufacturing vs.
- requirements and suggest improvements.
- Prepared work plans and forecast of production/industrial equipment for management reviews and control.
- Monitored and organized workflow schedules according to manufacturing sequences and standard lead time of production operations.

Company Name

- Performed extraction using sub-critical Carbon-di-oxide for the extraction of Nutraceuticals where I worked in a team of four under Mr.R.Senthil Kumar (Professor, Sastra university).
- We developed our own process design to extract nutraceuticals in a more efficient way with better purity.
- I experienced a research lab first hand and had the opportunity to work in close quarters with eminent people from the industry Noticeable Contributions: Developed accurate, operations-wide measurement standards to increase production, minimize non-value-added time, and reduce cost.
- Monitored and analyzed workflow, processes, procedures, and line activities, identifying and resolving bottlenecks to maximize efficiency.
- Created cost models to support customer proposals and cost reduction initiatives.
- Served on quality assurance team, developing guidelines and procedures to improve standards and performance.
- Developed documentation system to ensure accurate, timely updates.

Company Name

- This project involves the isolation of colchicine and the colchicoside from gloriosa superba seeds and forscolin from coleus tubers and senecioide from senna leaves.
- Developed the industrial process for its extraction and the process flow diagram on ASPEN workbench.
- Noticeable contribution: Ran safety and quality tests, installed upgrades, performed troubleshooting, created new production units.
- Used flow charts, graphs, diagrams, reports, and other documentation to monitor and improve the process.
- Performed environmental monitoring, handled facility safety and functionality, in accordance with regulations, and in cooperation with quality-control and maintenance engineer teams.
- Coordinated the various tasks of system development - Planning, designing, and integration (including formal testing) and oversaw full transition into production.
- Created schedules and prepared internal and data-system reports for backup management.
- Managed system configuration and its documentation to make sure planning and execution were run efficiently.

Education and Training

current

Master of Science : Engineering Management Oklahoma Christian University i¼ City , State Engineering Management GPA: 3.6/4
2016

Bachelor of Technology : Chemical Engineering Sastra University, Tanjore Tamil Nadu Chemical Engineering GPA: 6.97/10

Skills

Auto CAD, Failure analysis, inspection, Lean manufacturing, process control, process design, simulation, system configuration, Systems Engineering