Galaxy for Manufacturing

Towards a Digital Organization

Proposal by Neumann Systems Consultancy Pvt Ltd

Business Group
**Multiple Entities,
Products, Services,
Marketplaces,
Manufacturing Plants,
and Distribution Network**

Functional Scope - Basic Modules

Marketing, Sales, Distribution

Sales Enquiry Generation, Sales Quotation, Order Processing, Credit Control, Pricing , Discounting
Trading, Service Sales, Job-work, Sales Analysis, Complaint Handling

Purchase, Stores and Inward Quality

Purchase Planning, Purchase Enquiry, Quotation, Vendor Selection, Purchase Ordering, Inward Quality Assurance, Stores and Inventories, Control over Perishable Items, GST, Supply Follow Up, Valuation. Rate Control, Consumption, Movement Analysis, Two-unit facilities.

Production Planning and Control

Engineering, Material requirement Planning, Production Planning , Subcontracting, Production Recording, Work in Process, In-process Quality, Productivity and Efficiency, OEE, Material Reconciliation / Consumption Variance
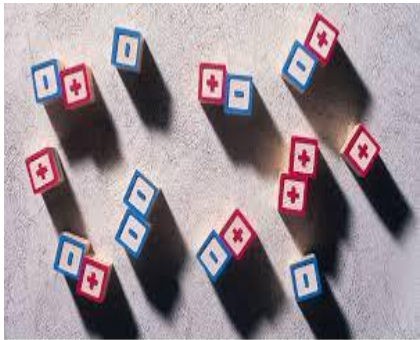
Functional Scope - Basic Modules

Financial Accounting and Taxation
Division-wise Accounting, and Merged Reporting
Accounts Receivable and Payable, Cash and Bank, GL,
Financial Statements - P&L / BS with Schedules, Bank
reconciliation, Credit Control, Project / Activity / Location /
Cost Center wise P&L, Income Tax, GST

Product Costing
Standard and Actual Costing as Material Cost, Conversion
Cost (with pre-defined Rates for Cost Drivers), Overheads
and Post Manufacturing Costs. Variance Analysis,
Profitability, Cost-Contribution Analysis
Reporting for Statutory Cost Audit

**MIS / Dashboards
Business
Performance**

Functional Scope – Add on Modules

Maintenance Management and Calibration

Schedules of Maintenance, Preventive and Breakdown Maintenance, Equipment Breakdown and Maintenance History, Failure Analysis, MTTR and MTBF Reporting
Records, Calibration and History of Measuring Instruments

Payroll

Time Office, Attendance, Leaves, Integration with Biometric Device. Salary and Wages, Bonus, Arrears, TDS, Final Settlement PF, FPF, ESIC, PT and Statutory Reporting

Fixed Assets Management

Assets Accounting, Depreciation, Location-wise Asset Tracking, and Transactions on Assets

Expense Budgets

Budget and Actual, Variance Analysis, Budget based Controls

Portal to Customers / Suppliers

View / Upload Invoices, Add / View Supply Orders, View Supply Details, Accounts, Payment Status, Inspection Details

Functional Scope – Add on Modules

Tool Room – for Tools and Dies

In-house Manufacture and Purchase, Stocks, and Records of Tools (and Dies). Life Monitoring, Utilization , Quality, Breakage, Re-sharpening and Extended Life, Reporting on Tool History, Life, Balance Life. Computation of Tool Cost as part of Conversion Cost,

New Product Development (NPD)

Definition and Tracking of Actions related to NPD through Workflow. Product wise cost recording. Reporting on Status of Activities and Cost incurred.

Productivity and Quality Management

Recording of Suggestions and Defects reported at any Stage. Defect Analysis. Definition and Tracking of Actions for Improvement Through Workflow. Reporting of Status and Pending Actions. Issue Closure.

Energy Management

Recording of Meter-wise Power Consumption, Cost Computation, and Reporting.

Business Benefits

Control on Inventories

Improvised Resource Planning and Managed Utilization

Elimination of Time Wastages

Visibility into Product Costs and Variances

Direct Capture of Data through IoT Devices

Data Analytics

Automated Communication and Distribution of Information

Towards Intelligent and Automated Management

Features

Central Integrated Data Accessed over Internet

User / Role based Access with Workflow Giving On Line Synchronization

Unlimited Scalability

Add Users, Locations, Data, even Business Segments

Possibility of direct Data Capture with Digital Devices, like IoT, PLC

Visibility On the go

Technologies

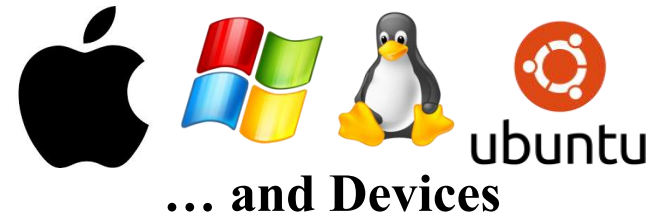**Cloud Server using Linux and Oracle / Open Source Database**

Security over Firewall, Biometric, and Password

Alerts over SMS and Mails

Front End on Google Chrome over Variety of OS

… and Devices

Implementation Steps and Timeline

	MONTH 1	MONTH 2	MONTH 3	MONTH 4

Blueprint – Documentation And Delivery Sign - Off

Setup, Train, Validate, Integrate. And Formalize

Review

Go Live

Setup of Infrastructure

Ready to go ..

Monitoring and Closure

Create Clean, Pure, Basic Data

Post Implementation

A. Basic Support
at Fixed Cost
Remote Desktop Support,
Bug-fix, Statutory Changes,
System Performance Tuning

D. Furthering of
Technology Integration

B. Functional
Enhancements

C. Business
Process Consulting

About Neumann Systems Consultancy Private Limited

A team of 40+ with strong techno-functional knowledge
Based in Nashik, Maharashtra, Active since 1992

Customer base across Western Maharashtra, Baroda, Goa, Daman

Deep understanding of business and process consultation capabilities across the team

Association with consultants for specialized areas

A vision to automate businesses of any domain and of any scale. With full success of implementation, sustained support, consultation, and continued enhancements.

Thereby adding value, simplifying work, and enhancing business performance for customers

Customer Segments

Electrical / Electronics

Food

Furniture

Textile

AMUL MACHO

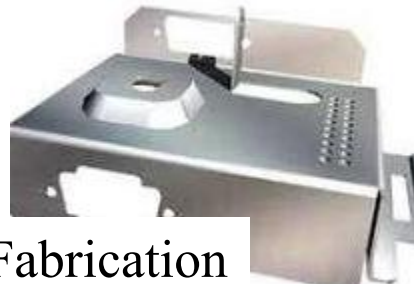Auto Components

Luggage

Infra

Precision

Power

Sugar

Hospitality

Chemical

Jewelry

Fabrication

Tools

Foundry

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