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بروجاكس للتدريب والتطوير
Projacs Training and Development

CMMS Computerized Maintenance Management Systems – Advanced Techniques

التقنيات الحديثة لأنظمة إدارة الصيانة بالحاسب الآلي

27 September – 01 October 2020

Dubai / United Arab Emirates

A Member of:



PROJACS ACADEMY



ProjacsAcademy.com



Introduction

This course is intended to show a strategy in implementation a Computer Maintenance Management System for the participants looking for ways to evolve and computerized their management system.

The training program provides attendees with an insight of what might be the present state of organization within their Maintenance Department. Then give them an opportunity to see what is available through implementing a Computer Maintenance Management System to reach for the desired level of organization and to review the tools it will take in closing the gap.

The course will provides attendees with the methods; process and techniques used in Computer Maintenance Management Systems needed for achieving and sustaining a successful implementation of a system within their Maintenance Departments.

During the course, attendees will have the opportunity to review an “Interactive Computer Maintenance Planning and Management Systems” and using laptop computers to join in a practical session.

Who Should Attend?

This course is targeted for all companies interested and using Computer Maintenance Management System & Planning. Recommended attendees should include Maintenance Managers, Maintenance Supervisors, Maintenance Engineers, Maintenance Planning and Scheduling Engineers, Maintenance Team Leaders and Purchasing Managers

Course Outline

DAY 1:

- Introduction
- The basic maintenance department's function and objectives
- Different maintenance strategy
- Breakdown, Reactive, by default
- Preventive Maintenance PM,
- Predictive Maintenance PDM,
- Reliability Based Maintenance
- Total Productive maintenance
- Computer application to select the optimum maintenance strategy
- Document previous work experiences for Breakdown maintenance
- CMMS functions & benefits
- Why many CMMS's fail

DAY 2:

- CMMS Historical Facts
- Justify Need for CMMS, CMMS Historical Facts ROI
- CMMS team - members of the Core team
- Steps to implement CMMS
- Setting up CMMS Masters: Departments, Site, Failure Codes, Asset, BOM , Supplier / Contractors , Cost Centers, Job Plan, Safety Instruction and MISC
- CMMS Modules
- Employee /Personnel/Labor/People module
- Spare parts Module, Purchasing Module and Inventory Module
- Register new part
- Assign New Part to Sub Store
- New Part Information:
- Max. Level, Min. Level, Standard Price, Bin Number, Reorder Level, Reorder quantity and Lead Time
- List of Assigned Parts
- Attribute Group
- Bin Number

DAY 3:

- Work Request module
- Planning of spare parts (Maintenance Material Control)
- Stock holding costs
- Stock ordering costs
- Lead time elements
- Economical order quantity EOQ
- Computer applications in maintenance material control,
- Materials requirements planning (MRP)
- Equipment/ Asset Module
- Equipment register
- Equipment Numbering Scheme
- Measurement points
- Location hierarchy
- Meter & Alarm
- Safety procedures
- Track associated costs
- Machine replacement analysis (MRA) module
- Life cycle costing analysis LCCA module
- Allocate maintenance work module
- Interactive practical applications

DAY 4:

- Work Orders Module
- Work Order Types
- Preventive Maintenance Module
- PM Number
- PM Task Number
- PM Frequency
- Details of various periods
- Trades required
- Procedures required
- Estimated job times
- Entering Task Feedback or History

- Scheduling Module
- Maintenance project management and planning module
- Evaluating Time-Cost Trade-off
- Optimum maintenance sequencing module
- Interactive practical applications

DAY 5:

- CMMS Reports module
- Backlog ratio
- Over age Backlog Schedule
- Compliance
- Estimating Accuracy
- PM and Emergency Indices
- Overtime
- Productivity of the maintenance workforce Indicators
- Maintenance cost
- Balance Sheet
- Getting Started With CMMS
- Interactive practical applications
- Questions/Discussion and Wrap-up

Training Method

- Pre-assessment
- Live group instruction
- Use of real-world examples, case studies and exercises
- Interactive participation and discussion
- Power point presentation, LCD and flip chart
- Group activities and tests
- Each participant receives a binder containing a copy of the presentation slides and handouts
- Post-assessment

Program Support

This program is supported by interactive discussions, role-play, and case studies and highlight the techniques available to the participants.

Schedule

The course agenda will be as follows:

- | | |
|---------------------|------------------|
| • Technical Session | 08.30-10.00 am |
| • Coffee Break | 10.00-10.15 am |
| • Technical Session | 10.15-12.15 noon |
| • Coffee Break | 12.15-12.45 pm |
| • Technical Session | 12.45-02.30 pm |
| • Course Ends | 02.30 pm |

Course Fees*

- **2,950USD**
**VAT is Excluded If Applicable*

مقدمة

وتهدف هذه الدورة إلى عرض استراتيجيات تنفيذ صيانة الحاسب الآلي لنظام إدارة للمشاركين والبحث عن سبل لتطوير نظم إدارة الحاسوب. ويوفر هذا البرنامج التدريب للحضور فكرة عما قد يكون للحالة الراهنة للمنظمة داخل إدارة الصيانة الخاصة بهم. ثم إعطاء الفرصة لهم لمعرفة ما هو متوفر من خلال تنفيذ نظام ادارة صيانة الكمبيوتر للوصول إلى المستوى المطلوب من المنظمة ، واستعراض الأدوات التي سوف تتخذ في سد هذه الفجوة. وسوف يوفر للحضور مع الأساليب الفنية، والعملية والتقنيات المستخدمة في أنظمة الحاسوب لتحقيق إدارة الصيانة والمحافظة على التنفيذ الناجح لنظام داخل الأقسام صيانتها. والحضور خلال الدورة لديهم فرصة لاستعراض "التفاعلية في صيانة الحاسب الآلي ونظم الإدارة التخطيط"، واستخدام أجهزة الكمبيوتر المحمولة للمشاركة في دورة عملية.

الحضور

ويستهدف هذا البرنامج الدراسي جميع الشركات المهتمة بصيانة الحاسب الآلي باستخدام نظام الإدارة والتخطيط. وينبغي أن تشمل المديرين والمشرفين، ومهندسي الصيانة وتخطيط الصيانة ومهندسي الجدولة، وقادة الفرق في الصيانة ومدراء المشتريات.