



Improving Work Management System Through

MPS



Maintenance Planning and Scheduling

EXPERT TRAINER

HUSAIN AL-ALI, CAMA, CMRP
Managing Partner, Arrelic



- ✓ SELF-PACED E-LEARNING
- ✓ LIVE VIRTUAL TRAINING
- ✓ PUBLIC
- ✓ IN-HOUSE

DATES & TIME - 2022

- APR 30, 2022 (Saturday)
- JUL 23, 2022 (Saturday)
- AUG 20, 2022 (Saturday)
- OCT 15, 2022 (Saturday)
- NOV 26, 2022 (Saturday)



HIMALAYIYA
UNIVERSITY



ABOUT ARRELIC



Arrellic is focused to equip industry professionals with the skills and knowledge required for bridging the desire state of workforce which industry needs to compete globally.

Arrellic provides 75+ different type of customized training programs in the field of Reliability Engineering, Asset Management, Best Practice, Operation & Maintenance, Predictive Maintenance, NDT, Predictive Analytics, Quality, Risk & Safety.

We are working for large corporate house from 15 different types of industries ranging from Airlines, Automobiles, Cement, Defence Manufacturing, FMCG, Glass, Marine, Metals, Mining, Oil & Gas, Power, Pulp & Paper, Facility Management and Fertilizer.

STARTUP OF THE YEAR

Startup of the year - 2019 from Industrial Product Finder at National Stock Exchange – India.

SMARTFIFTY

Fifty Solutions that will transform India. IIM-C & DST – India.

TOP 05

Most Innovative Companies from NASSCOM in 2018.

Emerging Company

In Predictive Maintenance and Reliability Engineering in India.

04 Offices

Across 03 regions . 4857+ plant assets under remote monitoring.



OUR CLIENTS



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#startupindia



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Improving Work Management System Through
Maintenance Planning & Scheduling Improvement

MPSI

Arrelic **MPSI Model** is a multi-stage methodology that begins with **Assessment** of the current state, Identify the gaps existing procedure, manuals, process, human recourses, required skill to perform the tasks in Maintenance Planning and Scheduling, development of an improvement **Plan**, **Design** the best in class work management frame work, business processes, metrics, leading and Lagging indicators, benching the KPIs with peers, **Implement** the custom designed Work Management Framework in stated time line and sustain the system for a longer time.



In today's competitive market, companies are under increasing pressure to produce higher quality goods and services at lower production costs. A key component of the overall cost of manufacturing is maintenance and the key role of maintenance is to guarantee the reliability of the production plant. The crucial element for ensuring that maintenance is cost effectively delivered is the planning and scheduling of maintenance tasks.

The foundation of excellence and achieving cost-effective equipment reliability starts with Maintenance Planning and Scheduling.

The role of Maintenance Planner has changed dramatically over the last two decades years with the introduction of complex CMMS systems that promise to make life easier. While the introduction of these new and improved systems has increased our ability to gather disseminate information, most planners and maintenance managers are starting to understand that their lives have become anything but easier.

The quality of the outputs from these systems is reliant on the quality of the inputs and these can only be assured if we have a robust management system to support maintenance, engineering and operations. More and more the maintenance planner is seen as the champion of "The System" but what has been done to improve his or her understanding of the intricacies of asset management in this new technological age? The answer is often very little. To break the cycle of "*garbage in, garbage out*" of the CMMS we must develop the personnel in this key role and turn them into asset management planning champions. To do this they must have an understanding of asset management fundamentals and where maintenance fits into the mix.

If organizations are to move toward an asset management environment with a focus on maximizing equipment life, then the planner must be seen more as a whole of life Asset Management Planner. **This course is the starting point for that transition.**

WHY CHOOSE THIS COURSE ?

Whether you are new into maintenance planning or you have been doing maintenance planning scheduling for a while, this training / webinar program will give you new knowledge, insights, and skills that are of great value to your maintenance career and income earning potential.

Maintenance planning plays a critical role within the overall physical asset management processes yet, many organizations are still struggling to get it implemented properly and reap the benefits that it brings.

As a result of your participation in this Maintenance Planning training course, you will also identify the responsibilities you will need to embrace in order to establish an effective maintenance planning function.

This training course places the emphasis on the key processes and techniques of maintenance planning that are necessary to sustain the reliability of our assets.

This training course will highlight:

- The building blocks of an efficient planning function
- A fast track programmed maintenance development process
- Planning work for quality and efficiency
- Scheduling work in a manner that ensures the continuity of operations
- Gaining the commitment of operations to the maintenance plan and schedule
- Generating performance indicators that pinpoint problems and opportunities
- Eliminating equipment defects through detection, disclosure, planning, scheduling and execution



LEARNING OBJECTIVES & BENEFITS

By attending this technical training on “**Maintenance Planning and Scheduling**” delegates will be able learn and deliver the following things.

- *Achieve maximum maintenance effectiveness through proper planning and scheduling activities.*
- *Become proactive rather than reactive in carrying out maintenance activities.*
- *Increase equipment Availability, Reliability, safety and plant profitability.*
- *Differentiate between the planning and scheduling process.*
- *Apply appropriate prioritization methods based on business risks and needs.*
- *Implement a Knowledge Management System to address the craft skills shortage.*
- *Design repeatable procedures to reduce maintenance-induced failures.*
- *Develop a scheduling process that integrates with Operations.*
- *Describe and integrate the interdependencies with the Storeroom.*
- *Analyze and evaluate the effectiveness and efficiencies of the maintenance process.*
- *Understand common maintenance problems, delays and inefficiencies*
- *Use performance metrics, PM compliance, schedule compliance, backlog, efficiency, and labor utilization*
- *Define the term backlog and its relationship to estimating*
- *Create effective job plans*

CONTENT:

- **Planning & Scheduling Role in Asset Management**
- **Foundations of Maintenance Planning & Scheduling**
- **Roles & Responsibilities**
- **A typical work management framework**
- **Life Cycle Costing**
- **Identification & Evaluation of Work**
- **Work prioritization**
- **Maintenance Planning (What/How)**
- **Scheduling (Who/When)**
- **Backlog Management**
- **Work Execution & Closure**
- **Shutdowns and Outages**
- **Recording & Analyzing work history**
- **Key Performance Indicators**
- **Common Maintenance Planning & Scheduling Barriers**
- **Learning and Improving the Planning & Scheduling Process**
- **Tips to Success in Planning & Scheduling**

WHO SHOULD ATTENDED?

Successful maintenance planning and scheduling programs require the disciplined application of proven processes and interdepartmental partnerships. It is important for departments that are influenced and impacted by the processes to understand the processes.

- **Maintenance Planner**
- **Planning engineers**
- **Maintenance Supervisor**
- **Maintenance Manager**
- **Maintenance Engineer**
- **Operation Engineer**
- **Operation Coordinator**
- **Production Supervisor**
- **Reliability Engineer**

MODE OF DELIVERY

Live virtual training program over gototraining or Zoom platform.

CERTIFICATION

A Certificate of Completion will be awarded from **Arrelic Professional Development Institute (APDI)** to those delegates who attend the entire duration of the training course.





HUSSAIN AL-ALI, CAMA, CMRP

Qualification	Graduate in Mechanical Engineering
Experience	37+
Industries	Metal, Oil & Gas, Petrochemicals, Consulting
Base Location	Manama, Bahrain [Bahraini Citizenship]



Management Professional with 37 years' experience in the aluminum industry covering a wide range of activities and responsibilities in metal Production, Maintenance, Engineering, Warehouse, Procurement, Recruitment, Training and Development, and Executive Management. Graduated with a degree in Mechanical Engineering from Trent Polytechnic, Nottingham, UK, in 1979. Chartered Engineer with the Institution of Mechanical Engineers, UK. Member of PMI, and TMS of USA. Certified Maintenance & Reliability Professional – CMRP. The Certified Assets Management Assessor (CAMA).

Played key roles in overseeing Aluminum Bahrain (ALBA) grow from a capacity of 120,000 MTPA to one of the largest aluminum smelters in the world with a capacity in excess of 900,000 MTPA.

A member of the team who implemented the highly acclaimed and successful "EAST" Project at SHARQ Petrochemical Company, in Jubail, KSA, for the implementation of their Asset Management Work Process (AMWP). Implemented the AMWP program at Advanced Petrochemical Company in Jubail, KSA.

Chairman of the Education Committee in GSMR, Bahrain.

----- DOMAIN KNOWLEDGE -----

Planning & Scheduling

Maintenance Planning and Scheduling, Asset Management Work Process, Reliability Readiness Assessment, Work Management, Planning and Scheduling Strategy Development

Asset Management

Acquainted with PAS – 55, ISO – 55000 standards, Asset Performance Management Modules, Integrating Asset Performance Management with other Management Initiatives, Asset Management Landscape.

Reliability Engineering

Reliability Centered Maintenance, CBM/PdM Tools- Vibration Analysis, IR – Thermography, Product life Cycle, FMEA, FTA, Reliability Modelling, Reliability Block Diagram, Reliability Prediction, Reliability Testing – ALT, HALT, PRAT, Reliability Growth Analysis, Weibull Analysis, FRACAS, Defect Elimination, Reliability Readiness Assessment, Work Management

ISSUED ON: 15/11/2020

COURSE CODE: 6240
CREDIT HOURS: 04

ARRELIC PROFESSIONAL DEVELOPMENT INSTITUTE



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Your Reliability Partner.

THIS IS TO CERTIFY THAT

ANNA TUKAJ WIŚNIEWSKA

CERTIFICATE NO. 2062401002

has successfully completed training and certification program in
MAINTENANCE PLANNING AND SCHEDULING (MPS) - BASIC


Nezar Al Shammasi
GLOBAL CEO


Husain Al Ali
MANAGING PARTNER


Deepak K. Sahoo
FOUNDER



This certificate may be verified
www.reliabilityq.com/verify
or by scanning the QR code



- **Maintenance Planning & Scheduling – Basic** certificate with badge verified from **ReliabilityQ** will be awarded from **Arrelic Professional Development Institute (APDI)** to those delegates who attend the entire duration of the training course and pass the post assessment test.
- Verify your certificate: <https://reliabilityq.com/verify>
- Total credit hours will be **04** hours which can be used in full time or distance mode university programs such as *PG Diploma in Asset Reliability Management, PG Diploma in Digital Asset Management, PG Diploma in Engineering Management, PG Diploma in Predictive Maintenance, MBA in Reliability Engineering & Asset Management, Plant Maintenance & Diagnostic Engineer (PMDE)*.

EXPERTISE IN MAINTENANCE PLANNING & SCHEDULING



294+

*Number of participants
trained by Arrelic.*



Arrelic
Your Reliability Partner.

56+

*Cover participants from
56+ countries.*

4.36

Course Rating

41,124+

Minutes Taught

1:12 ROI*

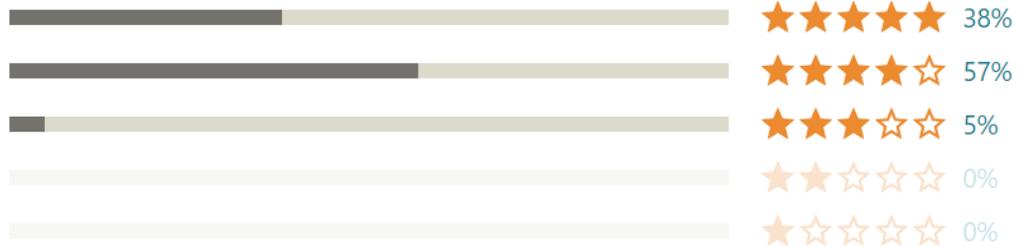
*ROI based upon net saving on
plant downtime*

Students' Feedback

4.3



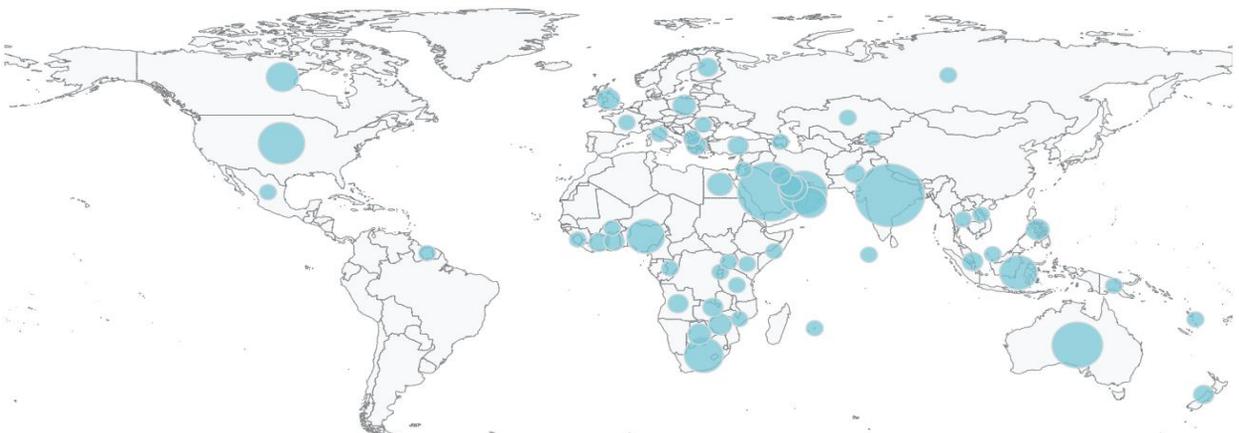
Course Rating



Course Performance



Students' Locations





Arrelic
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Maintenance Planning and Scheduling

Enjoy this certified training program at your premise of choice,
with lower costs, and schedule that suits you best.

RUN THIS COURSE IN-HOUSE

Self-Paced E-Learning | Live Virtual | Public | In-House



**FULLY CUSTOMIZED
ACCORDING TO YOUR NEEDS!**



**40+ WORLD CLASS TRAINERS
FLEXIBILITY IN CHOOSING TRAINER**



**LONG TERM SUPPORT & ASSESSMENT
OF TRAINING EFFECTIVENESS**



**TRAIN AS MANY EMPLOYEES
AS PER YOUR REQUIREMENT**



**FLEXIBLE, COST EFFECTIVE
MINIMUM 30% LOWER COST**



**ISO 27001:2013 CERTIFIED
HIGHLY SECURED LMS PLATFORM**



**LEARN WHENEVER, WHEREVER AS PER
THE PARTICIPANTS' REQUIREMENT**

ARRELIC CONTACTS



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Kolkata, India

225, 2nd Floor, OCAC Tower, Acharya Vihar, Bhubaneswar, Odisha, India - 751013



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REGISTRATION FOR LIVE VIRTUAL TRAINING



COURSE NAME:

MAINTENANCE PLANNING & SCHEDULING

TRAINER NAME:

HUSAIN AL-ALI, CAMA, CMRP

CREDIT HOURS:

08 HOURS

CERTIFICATE ISSUER:

ARRELIC PROFESSIONAL DEVELOPMENT INSTITUTE



DATES & TIME - 2022

[LIVE VIRTUAL TRAINING]

▪ APR 30, 2022 (Saturday)	6240APR22	10:30 AM - IST (GMT +5.30)	INR 12,500
▪ JUL 23, 2022 (Saturday)	6240JUL22	10:30 AM - IST (GMT +5.30)	INR 12,500
▪ AUG 20, 2022 (Saturday)	6240AUG22	10:30 AM - IST (GMT +5.30)	INR 12,500
▪ OCT 15, 2022 (Saturday)	6240OCT22	10:30 AM - IST (GMT +5.30)	INR 12,500
▪ NOV 26, 2022 (Saturday)	6240NOV22	10:30 AM - IST (GMT +5.30)	INR 12,500

GROUP DISCOUNTS FOR CORPORATES

▪ 03 Delegates	INR 30,090	Cost Per Person - INR 8,500 + GST = INR 10,030
▪ 04 Delegates	INR 37,760	Cost Per Person - INR 8,000 + GST = INR 9,440
▪ 05 Delegates	INR 44,250	Cost Per Person - INR 7,500 + GST = INR 8,850
▪ 06 Delegates	INR 49,560	Cost Per Person - INR 7,000 + GST = INR 8,260

BANK DETAILS

Account Name:	ARRELIC RELIABILITY PRIVATE LIMITED
Account Number:	031 - 040835 - 001
Bank Name:	HSBC
Branch Address:	31 BBD Bagh, Dalhousie Square, Kolkata, India - 700001
Bank Code/Swift Code:	HSBCINBB
IFSC Code [for RTGS/NEFT]:	HSBC0700004
MICR Code:	700039004

WAYS TO REGISTER

REGISTRATION LINK

<https://tinyurl.com/GForm-MPS6240>

Toll Free: 1800 890 6250
Mobile: +91 993 726 5750
International: +01 408 709 4250
Email: training@arrelic.com

CANCELLATIONS & DISCLAIMER

CANCELLATIONS & SUBSTITUTIONS : You must notify over email to Arrelic Training of cancellations at least 2 weeks before a scheduled seminar in order to be eligible for a credit. There is a USD 50/- or INR 2500/- handling charge for all cancellations or rescheduling. We reserve the right to cancel a seminar due to low enrolment. All registrants will be notified in advance and a full refund will be provided upon request.

DISCLAIMER : Circumstances beyond the control of Arrelic may necessitate postponement or substitution of the Instructor. As such, Arrelic reserves the right to implement such amendments.



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REGISTRATION FOR SELF-PACED E-LEARNING



COURSE NAME:

MAINTENANCE PLANNING & SCHEDULING

TRAINER NAME:

HUSAIN AL-ALI, CAMA, CMRP

CREDIT HOURS:

08 HOURS

CERTIFICATE ISSUER:

ARRELIC PROFESSIONAL DEVELOPMENT INSTITUTE



COURSE FEES

[SELF-PACED E-LEARNING MODE]

**USD 49.99
OR
INR 3200/-**

THIS COURSE INCLUDES:

- 3.5 hours on-demand video
- 1 practice test
- Full lifetime access
- Access on mobile and TV
- Certificate of completion from Udemy
- Certificate with badge verified from ReliabilityQ
- 30-Day Money-Back Guarantee

WAYS TO REGISTER

[SELF-PACED E-LEARNING MODE]

REGISTRATION & PAYMENT LINK

<https://www.udemy.com/course/maintenance-planning-scheduling/?couponCode=73F4B87EA202D5EAE972>

UDEMY COUPON CODE & PRICING

COUPON CODE:

73F4B87EA202D5EAE972

Toll Free: 1800 890 6250
Mobile: +91 993 726 5750
International: +1 408 709 4250
Email: training@arrelic.com

30-DAY MONEY-BACK GUARANTEE

When you make a payment, you agree to use a valid payment method. If you aren't happy with your content, Udemy offers a 30-day refund.



CERTIFICATE FROM APDI

Send an email to certify@arrelic.com with your Full Name, Email ID, Company you are currently working with, Job Title, Country for receiving the certificate from Arrelic Professional Development Institute. It will take 7 to 15 days for your certificate.



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