



<p>Maintainability Engineering</p>	
<p>Introduction</p> <p>This course has been developed to enable participants to understand the relationship between the engineering design and maintainability and maintenance engineering and how to adopt an integrated approach in the design process. Examples, such as the development of the TGV train, the Boeing 777 and the Saab Grippen, are used to illustrate what can be achieved when maintainability and maintenance are effectively addressed and integrated in design.</p>	
<p>Designed For</p> <p>This course has been designed for practicing engineers, analysts and managers and others who need to gain basic knowledge and understanding of analytical tools and techniques that can be applied in Maintainability Engineering.</p>	
<p>Objectives</p> <p>By the end of this course you will be able to -</p> <ul style="list-style-type: none"> ■ Define and develop system maintainability requirements ■ Conduct system functional analysis and allocate system maintainability measures ■ Identify strategies to design and improve system maintainability ■ Understand the integration of maintainability modelling, prediction, and analysis tools and techniques in the system engineering process ■ Identify system architecture and configuration weaknesses and corrective actions 	
<p>Content</p> <ul style="list-style-type: none"> ■ Design Methods <ul style="list-style-type: none"> ■ Requirements ■ Accessibility ■ Modularity and Interchangeability ■ Standardisation and Differentiation ■ Human Performance ■ Maintainability Allocation <ul style="list-style-type: none"> ■ Concept of Maintainability Allocation ■ Defence Standard and Other Approaches ■ LP Based Allocation Method ■ Testability <ul style="list-style-type: none"> ■ Built-In Test ■ Diagnostics ■ Built-In Test Equipment ■ Data-bus 	<ul style="list-style-type: none"> ■ Maintainability Anthropometric Analysis <ul style="list-style-type: none"> ■ Identification of User Population and Data ■ Evaluation of Engineering Drawings ■ Computer-Aided Design Tools ■ System Mock-up Analysis ■ Test, Demonstration, and Verification ■ Condition Monitoring and Health and Usage Monitoring Systems (HUMS) <ul style="list-style-type: none"> ■ Vibration ■ Tribology ■ Performance ■ Visual ■ Non-Destructive Testing ■ HUMS Technology and Infrastructure ■ HUMS Analysis ■ Benefits and Costs of HUMS
<p>Length</p> <p>3 days</p>	
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Details	
Dates	26 – 28 Nov 2007 14 – 16 May 2008 26 – 28 Nov 2008
Time	0900 – 1700
Venue	Woodbury Park Hotel, Golf and Country Club –approximately eight miles by road from Exeter (the nearest major city).
Cost	GB Pounds £950-00 + UK Value Added Tax (VAT) @ 17.5% Total Payable £1116-25 per person The cost includes all instruction, course materials, daily lunches and light refreshments.
Accommodation	Accommodation is not included in the fee. Participants are responsible for the arrangement and payment of their accommodation. Reduced rates are available at Woodbury Park Hotel – contact Woodbury Park Hotel Reservations direct requesting the 'Mirce Engineering' rate. Contact details are – Woodbury Park Hotel, Golf and Country Club, Woodbury, Exeter, EX5 1JJ, United Kingdom Tel +44 (0) 1395 233 382 Fax +44 (0) 1395 233 384 Email enquiries@woodburypark.co.uk Web www.woodburypark.co.uk A list of alternative accommodation in other hotels and guesthouses in the area of the course venue is available from Mirce Engineering on request.
Booking	Please complete a Booking Form for each participant and return it to Mirce Engineering.

Contact us

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