

# **Engineering English Communication**

## **(EEC-105)**

MARBELLA INSTITUTE OF TECHNOLOGY

### **Course Utility**

*Engineering English Communication* is for intermediate to upper-intermediate level (B1 -B2) learners of English who need to use English in an engineering environment. The course is particularly suitable for civil, mechanical and electrical engineers and can be used in the classroom or for self-study.

### **Course Purpose**

*Engineering English Communication* is designed to improve communication skills and specialist language knowledge of engineers, enabling them to work more confidently and effectively. With an emphasis on listening and speaking, the ten standalone units cover topics common to all fields of engineering such as monitoring and control, procedures and precautions, and engineering design. Authentic activities based on everyday engineering situations - from describing technical problems and solutions to working with drawings - make the course practical and motivating.

### **Text Book**

The course text book '*Cambridge English for Engineers*' has been written for professionals by professionals. It combines the best in English language learning techniques methodology with real professional practice.

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## COURSE OUTLINE

### UNIT 1 **Technology in use**

Class

- 1 Describing technical functions and applications
- 2 Explaining how technology works
- 3 Emphasizing technical advantages
- 4 Simplifying and illustrating technical explanations

### UNIT 2 **Materials technology**

Class

- 5 Describing specific materials
- 6 Categorising materials
- 7 Specifying and describing properties
- 8 Discussing Quality issues

### UNIT 3 **Components and assemblies**

Class

- 9 Describing component shape and features
- 10 Explaining and assessing manufacturing techniques
- 11 Explaining jointing and fixing techniques
- 12 Describing positions of assembled components

### UNIT 4 **Engineering design**

Class

- 13 Working with drawings
- 14 Discussing dimensions and precision
- 15 Describing design phases and procedures
- 16 Resolving design problems

### UNIT 5 **Breaking point**

Class

- 17 Describing Types of technical problem
- 18 Assessing and interpreting faults
- 19 Describing the causes of faults
- 20 Discussing repairs and maintenance

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## UNIT 6 **Technical development**

Class

- 21 Discussing technical requirements
- 22 Suggesting ideas and solutions
- 23 Assessing feasibility
- 24 Describing improvements and redesigns

## UNIT 7 **Procedures and Precautions**

Class

- 25 Describing health and safety precautions
- 26 Emphasizing the importance of precautions
- 27 Discussing regulations and standards
- 28 Working with written instructions and notices

## UNIT 8 **Monitoring and control**

Class

- 29 Describing automated systems
- 30 Referring to measurable parameters
- 31 Discussing readings and trends
- 32 Giving approximate figures

## UNIT 9 **Theory and practice**

Class

- 33 Explaining tests and experiments
- 34 Exchanging views on predictions and theories
- 35 Comparing results with expectations
- 36 Discussing causes and effects

## UNIT 10 **Pushing the boundaries**

Class

- 37 Discussing performance and suitability
- 38 Describing physical forces
- 39 Discussing relative performance
- 40 Describing capabilities and limitations