Introduction to Microsoft Excel's VBA and Applications in the Petroleum Industry

Dates: 16 - 20 October 2022.

Time: 09:00 a.m. - 12:00 p.m.

Objectives:

At the end of the course, participants will be able to:

• Learn about Microsoft Excel's VBA package, and highlight general advantages and disadvantages of usage.
• Learn how to apply the required settings that enable VBA in Excel.
• Learn the appropriate syntax of Microsoft Excel's VBA package.
• Provide a basic understanding of the concept of variables, in addition to their types and associated operators.
• Understand the basics of arrays, and the concept of multi-dimensional arrays.
• Understand basic programming functions; and how to design custom functions.
• Learn how to navigate through, and refer to cells and sheets across an Excel workbook.
• Learn how to automate the control of data throughout an Excel workbook.
• Learn the concept of recording macros; and the method of programming without knowledge of VBA syntax.
• Understand how to learn syntax through macro recording.
• Provide petroleum industry-related programming exercises to learn how to apply acquired skills in the petroleum industry.

Instructor: Eng. Hussain Al-Mazidi.

Particpants: Technicians, engineers, professionals, and/or researchers in the upstream/downstream petroleum industry. Such personnel deal with extensive amounts of data in Microsoft ExcelTM, and wish to optimize the time and effort spent processing raw data into key results.

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