



## On-Line Training: Introduction to IFPUG v4.3 FPA

- Learn how to size software projects in five short (2.5 hour) web-based training sessions – extend your skills with Function Point Analysis (FPA)
- Improve your capability to analyse and estimate user requirements – start your journey to the Certified Function Point Specialist qualification
- Presented by one of SMS' experienced lecturers, this series of webinars is designed for anyone who wants to improve their ability to analyse, understand or measure functional user requirements allocated to software. Expert tuition guides participants through a series of lectures and exercises derived from decades of practical experience of managing software projects that develop new software applications & products, or enhance existing software systems.
  - **Purpose** – this short series of webinars introduces participants to Function Point Analysis, the internationally recognised method for estimating and measuring the functional size of software. It uses the ISO/IEC 20926 standard method supported by the International Function Point Users Group (IFPUG). FPA is used by customer and vendor organisations around the world to: quantify functional requirements; improve the estimation of size, and development effort, duration and cost; obtain better control of project progress; and manage outsourced contracts. Participants learn, through examples and exercises, how to apply the method to various types of software, irrespective of the project life-cycle, whether traditional or agile.
  - **Expected results** – by participating in this course, participants learn the principles and steps of the IFPUG FPA Method; individuals completing the course will be able to apply FPA to projects developing new functional user requirements and/or modifying software to enhance the functional user requirements supported by an existing system; participants learn how to analyse functional user requirements to identify the constituent data functions and transaction function types, and will understand how to calculate an appropriate function point count.
  - **Suitability** – this class is suitable for participants with some experience of the software development process – whether using staged, spiral, V-model, iterative, evolutionary, agile, lean or kanban life cycles. It is ideal for those whose usual role involves them in: product ownership; project management of software projects; team leadership; requirements development; quality assurance; architecture; design; programming or testing.
- **On-Line Agenda**
  - Session #1: Introduction – the need for and purpose of FPA – its applicability – what FPA is – its uses – functional requirements and the user's view – the FP analysis process – recipient and purpose – context, scope and boundary – types of FP count– types of function – function complexity
  - Session #2: Sizing new development projects – counting principles for data function types – Internal Logical Files and External Interface Files – Data Element Types and Record Element Types – complexity and contribution to size
  - Session #3: Counting principles for transaction function types – External Inputs, External Outputs, External Queries – Data Element Types and File Type References – complexity and contribution to size – calculating the Functional Size Index – sizing enhancement projects
  - Session #4: Qualitative Adjustments – General System Characteristics – Estimating size – Estimating effort
  - Session #5: Summary and class examination to consolidate learning and identify next steps