

M. A. Parthasarathy

# Practical Software Estimation: Function Point Methods for Insourced and Outsourced Projects

*Estimate the costs and schedules of software projects more effectively—the first book in a new series from Infosys Technologies.*

*Practical Software Estimation* brings together today's most valuable tips, techniques, and best practices for accurately estimating software project efforts, costs, and schedules. Written by a leading expert in the field, it addresses the full spectrum of real-world challenges faced by those who must develop reliable estimates.

M. A. Parthasarathy draws on the immense experience of Infosys, one of the world's largest and most respected providers of IT-enabled business solutions, to bring you the only book with detailed guidance on estimating insourced and outsourced software projects, as well as projects that blend both approaches. He demonstrates how to successfully utilize Function Point (FP) methods, the industry's leading estimation model. Then, using real case studies, he systematically identifies pitfalls that can lead to inaccurate estimates—and offers proven solutions.

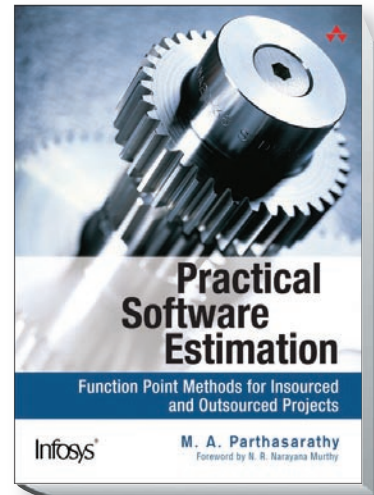
## COVERAGE INCLUDES

- How to estimate all types of software projects, including "fresh" development, reengineering, and maintenance
- How to incorporate the impact of core project elements on estimates: scope, environment, experience, and tools
- FP analysis from start to finish: data and transaction functions, general system characteristics, and more
- FP methods for any platform or business function
- Innovative re-estimation methods to track progress
- How to quote RFPs and prepare contracts: fixed price, time/material, and project execution lifecycle models
- Alternatives to FP: Delphi, COCOMO II, and COSMIC-FFP
- How to choose the right estimation tools

*Practical Software Estimation* is the definitive reference for anyone who must estimate software projects accurately: project and IT managers, individual developers, system designers, architects, executives, consultants, and outsourcers alike.

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## About the Author

M. A. PARTHASARATHY, Associate Vice President at Infosys Technologies Ltd., has been actively involved in software development and delivery for more than twenty years. Parthasarathy heads the Outsourcing Academy under the Strategic Global Sourcing unit, and plays an active role in setting Infosys estimation strategies, supporting their deployment, and conducting estimation-related training. A Certified Quality Analyst (QAI), he has twice been honored with the prestigious Infosys Excellence Award.

*"A clearly written book that is a useful primer for a very complicated set of topics."*

—CAPERS JONES,  
Chief Scientist Emeritus,  
Software Productivity  
Research LLC

 Addison-Wesley

# Table of Contents

## List of Figures

## List of Tables

## Foreword

## Preface

## Acknowledgments

### Chapter 1:

#### Introduction

What Is Software Estimation?

Ingredients of a Good Estimation

Software Project Estimation

Continuous Improvement Cycle

Why Software Estimation?

Estimation—Who and How

Conclusion

References

Other Interesting Reading Material

### Chapter 2:

#### Role of Estimation in Software Projects

Software Projects and Estimation

Estimation and Measurement

Large Application Systems

Conclusion

References

Other Interesting Reading Material

### Chapter 3:

#### A Study of Function Point Analysis

Why Estimation?

Function Points

Function Point Analysis

Conclusion

References

### Chapter 4:

#### Data Functions

Introduction

Definition of Files

Data Functions Defined by IFPUG

Conclusion

References

Other Interesting Reading Material

### Chapter 5:

#### Transactional Functions

Introduction

Definition of Transactions

Albrecht's Definition of Transactions

Transactional Functions

Defined by IFPUG

EI, EO, and EQ

Complexity and FP Count Contributions

Invoice System—FP Counting Process

Conclusion

References

Other Interesting Reading Material

### Chapter 6:

#### General System Characteristics

Introduction

Functional and Non-Functional Requirements

Introduction to General System Characteristics

Guidelines for General System Characteristics

GSC and NFR

Conclusion

References

Other Interesting Reading Material

### Chapter 7:

#### Size, Effort, and Scheduling of Projects

Importance of Size

Inputs to Sizing

Impact of Delivery Rate

Effort and Schedule

Conclusion

References

Other Interesting Reading Material

### Chapter 8:

#### Estimation Flavors

Change Forever

Development Projects

Reengineering Projects

Migration Projects

Maintenance Projects

Conclusion

References

### Chapter 9:

#### A Sense of Where You Are

On the Right Track, On Time

Pervasive Estimations

Agile Software Projects

Estimation Maturity

Conclusion

References

Other Interesting Reading Material

### Chapter 10:

#### Tips, Tricks, and Traps

Introduction

Tricks

Traps

Conclusion

References

Other Interesting Reading Material

### Chapter 11:

#### Insourcing versus Outsourcing

Introduction

Environment--The Differentiator

Estimation Approach

Insourcing versus Outsourcing: Pros and Cons

Conclusion

References

### Chapter 12:

#### Key Factors in Software Contracts

Introduction

Types of Contracts

Project Execution Methods

Conclusion

References

### Chapter 13:

#### Project Estimation and Costing

Introduction

Project Lifecycle Phases and Cost

Estimation and TCO

Conclusion

Other Interesting Reading Material

### Chapter 14:

#### Other Estimation Methods

Introduction

Estimation Methods

Heuristic Approach

Parametric Approach

Estimation Models Pros and Cons

Conclusion

References

Other Interesting Reading Material

### Chapter 15:

#### Estimation Tools

Why Use Tools?

List of Tools

Conclusion

References

Other Interesting Reading Material

### Chapter 16:

#### Estimation Case Study

Introduction

Case Study: 1--Invoicing System

Case Study 2: Enhanced Invoicing System

Conclusion

References

Other Interesting Reading Material

### Appendix A:

#### Reference Tables: Transaction Function Counts

Reference Table to Calculate ILF/EIF FP Count

Reference Table to Calculate EI/EO/EQ FP Count

Reference Table to Calculate Total FP Count

Reference Table to Calculate VAF from GSC--Total Degree of Influence

### Appendix B:

#### Reference Tables: Data Function Points

Internal Logical Files and

External Interface Files

External Inputs/External Outputs/External Inquiries

### Bibliography

### Index

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