CHAPTER 2:

HISTORY AND DESIGN

2.1 LITERATURE SURVEY

• Zhu Kedi; Yang Hongping; “Methods study of improving efficiency of large-scale software development”, International Conference on Computer Design and Applications (ICCDA), Volume: 2, Publication Year: 2010, Page(s): V2-104 - V2-107
  – Various methods reviewed based on the measures like efficiency and productivity
  – The impact of large scale software development on these measures

• Yao Yi; Huang Song; Li Jie; Liu Xiao-ming; “Structural characteristic of large-scale software development network”, 2nd International Conference on Computer Engineering and Technology (ICCET), 2010, Volume: 3, Publication Year: 2010 , Page(s): V3-214 - V3-217
  – Processes with regards to the Requirement management on large scale
• Sarkar, S.; Kak, A.C.; Rama, G.M.; “Metrics for Measuring the Quality of Modularization of Large-Scale Object-Oriented Software”, IEEE Transactions on Software Engineering, Volume: 34, Publication Year: 2008, Page(s): 700 – 720
  – OO scenarios and modularity in large scale
  – Quality of the OO Design aspects

  – Role of Agile Principles in large development
  – Agility Model for performance improvement
  – Implementation issues

  – Other measures like confidentiality

  – Scalability impact on productivity


  – Additional quality measures for reusability

  – Quality of Design to develop reusable systems on large scale
  – Review mechanism to improve Quality of large scale projects

  – Project characteristics and co-relation with estimation

• Discipline of software engineering by W Hamphrey
  – Process quality improvement
  – Developer performance improvement
2.2 FLOWCHART DESIGN

Start

Declare variables int flagbutt, modcounter[5], modname[5], modflag

Initialize modcounter[i]=0, modname[i]=process models

Display questions in labels and options in radiobuttons

If flagbutt == 1 to n

Increment respective modcounters by 1, flagbutt++

If flagbutt != n

Display questions n+1 with options

Arrange process models in ascending order of their respective mod counters

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Figure 1: Flowchart Design