Goal : Qualified software project evaluation in limited schedule based on the rapid application development

Subgoals :

    1 - To minimize the schedule

    2 - To characterize a detailed design

Q1.1:   How is the schedule constructed in terms of the reasource 'time'?

    M1.1.1: calendar dates (start date, due date, elapsed time, and milestones of development process)

Q1.2:   How efficient is the scheduling and the responsibility assignment match?

    M1.2.1: days (elapsed time)

    M1.2.2: number of people assigned (team size)

    M1.2.3: years of domain/programming experience (in our case: the number of similar tasks done successfully by each staff)

    M1.2.4: type names (defect type)

    M1.2.5: name of activity where introduced (defect origin)

    M1.2.6: an ordered set of severity classes (defect severity)

    M1.2.7: staff hours (effort to fix) (if the defect number is high in a task/process or the effort to fix is more than expected, then the responsibility assinment of the staff will be changed)

Q1.3:   How can the time spent for the development process be reduced?

M1.3.1: ratio of unchanged physical lines to total physical lines, comments, and blanks excluded (higher the precent reused in modules)

M1.3.2: staff-hours, days, months (minor the development effort by assigning more staff to the development)

M1.3.3: percent of total defects found in phase where introduced (minor the phase containment)

M1.3.4: percent of tasks complying with standard procedures or directions (higher the process compliance)

M1.3.5: number of independent flowpaths according to McCabe's complexity (define clearly and apply the units)

Q2.1:   How does the defect density effect on quality of our software project?

M2.1.1: number of design defects fount in down stream activities divided by a measure of product size, such as function points or physical data source lines of code

M2.1.2: defects per KLOC or FP in the system in general

M2.1.3: effort to fix the defects in staff hours

Q2.2:   How could be the quality proven?

M2.2.1: number of tests scheduled (volume of test processes)

M2.2.2: number of tests executed, number of tests passed (progress in test process)