**4. Implementation phase:**

**4.1 Construct system**

**4.1.1 Build System**

**4.1.1.1 Programming (Software system)/ Coding Month**

**4.1.1.2 Hardware System 3 weeks or 2 weeks “Parallel with Software system”**

**4.1.2 Testing System / Test Plan**

**4.1.2.1 Unit Testing 5 weeks**

**4.1.2.2 Integration Testing 2 weeks**

**4.1.2.3 System Testing**

**4.1.2.3.1 Security 1 week**

**4.1.2.3.2 Performance 1 week**

**4.1.2.3.3 Software 1 week**

**4.1.2.4 Acceptance Testing**

**4.1.2.4.1 User’s Requirements 2 weeks**

**4.1.3 Documentations**

**4.1.3.1 System Documents 1 week**

**4.1.3.2 User Documents “parallel with system documents “**

**4.1.3.2.1 Reference Documents 1week**

**4.1.3.2.2 Procedural Manuals 1week**

**4.2 Install System**

**4.2.1 Maintain System “Parallel”**

**4.2.1.1 Training plan 5 weeks**

**4.2.1.2 Support plan 2 weeks**

**4.3 Post-implementation**

**4.3.1 System Review**

**4.3.2 Problem Reports**

**4.3.3 Solve Problems**