**DURATION ESTIMATE**

**A.C.K.**

**123 MAIN STREET**

**ST. CHARLES, MO 63376**

**2/25/2016**

The Activity Duration Estimation process is used to approximate the amount of time or work periods needed to complete project activities with the assigned resources. Estimates shown are in hours.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Phase 2 |  |  |  |  |  |  |
| Duration Estimate | | | | | | |
| Project: Scheduling | | | | | Date: 2/15/2016 | |
| Activity | Resource(s) | Optimistic | Most Likely | Pessimistic | Estimated Activity Duration | Reserve |
| Project General Scheduling | A.Westhoff | 2 | 2 | 4 | 3 | 1 |
| K.Chen | 2 | 2 | 4 | 3 | 1 |
| C.Alves | 6 | 8 | 10 | 7 | 3 |
|  |  |  |  |  |  |  |
| Duration Estimate | | | | | | |
| Project: Design Document | | | | | Date: 2/20/2016 | |
| Activity | Resource(s) | Optimistic | Most Likely | Pessimistic | Estimated Activity Duration | Reserve |
| Design Document | A.Westhoff | 8 | 12 | 16 | 12 | 4 |
| K.Chen | 8 | 12 | 16 | 12 | 4 |
| C.Alves | 8 | 12 | 16 | 12 | 4 |
|  |  |  |  |  |  |  |
| Phase 3 |  |  |  |  |  |  |
| Duration Estimate | | | | | | |
| Project: UI Design | | | | | Date: 3/5/2016 | |
| Activity | Resource(s) | Optimistic | Most Likely | Pessimistic | Estimated Activity Duration | Reserve |
| Web Application UI Design | A.Westhoff | 6 | 8 | 12 | 9 | 3 |
| K.Chen | 6 | 8 | 12 | 9 | 3 |
| C.Alves | 6 | 8 | 12 | 9 | 3 |
|  |  |  |  |  |  |  |
| Duration Estimate | | | | | | |
| Project: Determine Program Logic | | | | | Date: 3/25/2016 | |
| Activity | Resource(s) | Optimistic | Most Likely | Pessimistic | Estimated Activity Duration | Reserve |
| Determine Program Logic. | A.Westhoff | 100 | 112 | 150 | 121 | 29 |
| K.Chen | 100 | 112 | 150 | 121 | 29 |
| C.Alves | 100 | 112 | 150 | 121 | 29 |
|  |  |  |  |  |  |  |
| Duration Estimate | | | | | | |
| Project: Program Logic Diagram | | | | | Date: 3/28/2016 | |
| Activity | Resource(s) | Optimistic | Most Likely | Pessimistic | Estimated Activity Duration | Reserve |
| Design Program Logic Diagram (Flowchart) | A.Westhoff | 100 | 112 | 160 | 124 | 36 |
| K.Chen | 100 | 112 | 160 | 124 | 36 |
| C.Alves | 100 | 112 | 160 | 124 | 36 |
|  |  |  |  |  |  |  |
| Phase 4 |  |  |  |  |  |  |
| Duration Estimate | | | | | | |
| Project: UI Coding | | | | | Date: 4/5/2016 | |
| Activity | Resource(s) | Optimistic | Most Likely | Pessimistic | Estimated Activity Duration | Reserve |
| Front-End User Interface Programing | A.Westhoff | 16 | 20 | 32 | 23 | 9 |
| K.Chen | 16 | 20 | 32 | 23 | 9 |
| C.Alves | 16 | 20 | 32 | 23 | 9 |
|  |  |  |  |  |  |  |
| Duration Estimate | | | | | | |
| Project: Coding | | | | | Date: 4/26/2016 | |
| Activity | Resource(s) | Optimistic | Most Likely | Pessimistic | Estimated Activity Duration | Reserve |
| Back-End architecture programing provided plug-In to UI | A.Westhoff | 112 | 140 | 168 | 140 | 28 |
| K.Chen | 112 | 140 | 168 | 140 | 28 |
| C.Alves | 112 | 140 | 168 | 140 | 28 |
|  |  |  |  |  |  |  |
| Duration Estimate | | | | | | |
| Project: Teacher Time Restrictions | | | | | Date: 4/28/2016 | |
| Activity | Resource(s) | Optimistic | Most Likely | Pessimistic | Estimated Activity Duration | Reserve |
| Provide program with additional features: Time Restrictions when scheduling | A.Westhoff | 25 | 32 | 40 | 32 | 8 |
| K.Chen | 25 | 32 | 40 | 32 | 8 |
| C.Alves | 25 | 32 | 40 | 32 | 8 |
|  |  |  |  |  |  |  |
| Duration Estimate | | | | | | |
| Project: Multiple buildings | | | | | Date: 4/29/2016 | |
| Activity | Resource(s) | Optimistic | Most Likely | Pessimistic | Estimated Activity Duration | Reserve |
| Expanding Program scheduling to include all buildings | A.Westhoff | 8 | 16 | 24 | 16 | 8 |
| K.Chen | 8 | 16 | 24 | 16 | 8 |
| C.Alves | 8 | 16 | 24 | 16 | 8 |
|  |  |  |  |  |  |  |
| Duration Estimate | | | | | | |
| Project: Data Integrity/Error Handling | | | | | Date: 4/30/2016 | |
| Activity | Resource(s) | Optimistic | Most Likely | Pessimistic | Estimated Activity Duration | Reserve |
| Provide program with additional features: handling duplicate data, data input/output error etc. | A.Westhoff | 32 | 40 | 55 | 42 | 13 |
| K.Chen | 32 | 40 | 55 | 42 | 13 |
| C.Alves | 32 | 40 | 55 | 42 | 13 |
|  |  |  |  |  |  |  |
| Duration Estimate | | | | | | |
| Project: Move Class to New Building | | | | | Date: 4/30/2016 | |
| Activity | Resource(s) | Optimistic | Most Likely | Pessimistic | Estimated Activity Duration | Reserve |
| Provide program with additional features: allow application make schedule across multiple buildings | A.Westhoff | 24 | 30 | 32 | 29 | 3 |
| K.Chen | 24 | 30 | 32 | 29 | 3 |
| C.Alves | 24 | 30 | 32 | 29 | 3 |
|  |  |  |  |  |  |  |
| Duration Estimate | | | | | | |
| Project: UI Refinement | | | | | Date: 5/2/2016 | |
| Activity | Resource(s) | Optimistic | Most Likely | Pessimistic | Estimated Activity Duration | Reserve |
| Polish the User Interface | A.Westhoff | 16 | 25 | 30 | 24 | 6 |
| K.Chen | 16 | 25 | 30 | 24 | 6 |
| C.Alves | 16 | 25 | 30 | 24 | 6 |
|  |  |  |  |  |  |  |
| Duration Estimate | | | | | | |
| Project: Event Scheduling | | | | | Date: 5/2/2016 | |
| Activity | Resource(s) | Optimistic | Most Likely | Pessimistic | Estimated Activity Duration | Reserve |
| Provide program with additional features: allow the user to schedule events. | A.Westhoff | 48 | 56 | 80 | 61 | 19 |
| K.Chen | 48 | 56 | 80 | 61 | 19 |
| C.Alves | 48 | 56 | 80 | 61 | 19 |
|  |  |  |  |  |  |  |
| Duration Estimate | | | | | | |
| Project: Security | | | | | Date: 5/3/2016 | |
| Activity | Resource(s) | Optimistic | Most Likely | Pessimistic | Estimated Activity Duration | Reserve |
| Provide program with security features: access restriction, etc. | A.Westhoff | 42 | 61 | 80 | 61 | 19 |
| K.Chen | 42 | 61 | 80 | 61 | 19 |
| C.Alves | 42 | 61 | 80 | 61 | 19 |
|  |  |  |  |  |  |  |
| Project: Debugging/Testing | | | | | Date: 5/5/2016 | |
| Activity | Resource(s) | Optimistic | Most Likely | Pessimistic | Estimated Activity Duration | Reserve |
| Quality Assurance | A.Westhoff | 42 | 72 | 112 | 75 | 37 |
| K.Chen | 42 | 72 | 112 | 75 | 37 |
| C.Alves | 42 | 72 | 112 | 75 | 37 |
|  |  |  |  |  |  |  |
| Project: Implementation | | | | | Date: 5/8/2016 | |
| Activity | Resource(s) | Optimistic | Most Likely | Pessimistic | Estimated Activity Duration | Reserve |
| Installing Application to school computes | A.Westhoff | 12 | 23 | 26 | 20 | 6 |
| K.Chen | 12 | 23 | 26 | 20 | 6 |
| C.Alves | 12 | 23 | 26 | 20 | 6 |
|  |  |  |  |  |  |  |
| Project: Project End | | | | | Date: 5/10/2016 | |
| Activity | Resource(s) | Optimistic | Most Likely | Pessimistic | Estimated Activity Duration | Reserve |
| Finalizing the project | A.Westhoff | 5 | 6 | 10 | 7 | 3 |
| K.Chen | 5 | 6 | 10 | 7 | 3 |
| C.Alves | 5 | 6 | 10 | 7 | 3 |