|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Project Risk | Severity | | | Potential | | | Score  (Severity x Potential) | Mitigation Measures |
| L | M | H | L | M | H | L=1, M=2, H=3 |  |
| Soldering burns |  |  | x |  |  | x | 9 | Use heat-resistant gloves and work carefully with soldering tools. |
| Inhalation of solder fumes |  | x |  |  |  | x | 6 | Work in a well-ventilated area and use a fume extractor or mask. |
| Cutting hands with tools |  |  | x |  | x |  | 6 | Use safety gloves when working with sharp tools. |
| Poor posture when using computers | x |  |  |  | x |  | 2 | Ensure ergonomic seating and take regular breaks. |
| Overheating components causing burns |  |  | x | x |  |  | 3 | Monitor components and allow for adequate cooling time. |
| Electric shock from faulty components | x |  |  | x |  |  | 1 | Ensure proper insulation of electrical components and safety checks. |
| Eye strain from prolonged screen use |  | x |  |  | x |  | 4 | Follow the 20-20-20 rule (take breaks every 20 minutes). |
| Fatigue from prolonged work sessions | x |  |  | x |  |  | 1 | Take regular breaks and stay hydrated. |