|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID Activity and description** |  | **Preceding Activity** |  | **Time by week** |
| **A** Specify requirements |  | none |  | 5 |
| **B** Assign teams |  | A |  | 3 |
| **C** Design hardware for the café |  | A |  | 4 |
| **D** Code Software |  | B |  | 4 |
| **E** Build and test hardware |  | C |  | 7 |
| **F** Develop patent request |  | C |  | 5 |
| **G** Test software |  | D |  | 1 |
| **H** Integrate systems |  | E, F, G |  | 1 |

Café Helper Network

The project network has been developed from the information collected from the WBS and now we will illustrate what to do as a sequence of days considering **Predecessor activities, Successor**

**Activities,** and **Parallel activities.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **RES** | **DUR** | **ES** | **LF** | **SL** | **0** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** |
| ***A*** | ***5D*** | **5** | **0** | **5** | **0** | **5** | **5** | **5** | **5** | **5** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***B*** | ***3D*** | **3** | **5** | **9** | **1** |  |  |  |  |  | **3** | **3** | **3** |  |  |  |  |  |  |  |  |  |  |
| ***C*** | ***4D*** | **4** | **5** | **9** | **0** |  |  |  |  |  | **4** | **4** | **4** | **4** |  |  |  |  |  |  |  |  |  |
| ***D*** | ***3D*** | **4** | **9** | **14** | **1** |  |  |  |  |  |  |  |  |  | **3** | **3** | **3** | **3** |  |  |  |  |  |
| ***E*** | ***2D*** | **7** | **9** | **16** | **0** |  |  |  |  |  |  |  |  |  | **2** | **2** | **2** | **2** | **2** | **2** | **2** |  |  |
| ***F*** | ***3D*** | **5** | **9** | **16** | **2** |  |  |  |  |  |  |  |  |  |  |  |  |  | **3** | **3** | **3** | **3** | **3** |
| ***G*** | ***2D*** | **1** | **14** | **16** | **1** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **2** |  |
| ***H*** | ***3D*** | **1** | **16** | **17** | **0** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **3** |
| **Total Resource Load** | | | | | | **5** | **5** | **5** | **5** | **5** | **7** | **7** | **7** | **4** | **5** | **5** | **5** | **5** | **5** | **5** | **5** | **5** | **6** |
| **Resource Available** | | | | | | **7D** | **7D** | **7D** | **7D** | **7D** | **7D** | **7D** | **7D** | **7D** | **7D** | **7D** | **7D** | **7D** | **7D** | **7D** | **7D** | **7D** | **7D** |

