IT & Management – INF5890

Project Management Exercise

You work as project manager in a company which has secured a contract for developing a new automated inventory control system. The scope of the project and the work breakdown structure are provided below. List of different tasks and their contents and durations as well as resource requirements are provided in the table. Predecessors of tasks imply which tasks are needed to be conducted before the current task can be started.

Code of the activity	Task/Activity	Duration in days	Predecessors	Work resource required
A	Start-up planning and design	5	-	Software planning, Equipment design
B	Equipment determination and planning	8	A	Software planning, Equipment design, Software installation, Equipment assembly
C	Specific software determination	9	A	Software planning, Software development
D	Production line planning and determination	4	B	Equipment design
E	Equipment planning	7	B	Software planning, Software development
F	Software planning	17	C	Software planning
G	Equipment documentation	10	E	Software planning, Documentation
H	Documentation of operational system	13	F	Software planning, Equipment development
I	Detailed hardware blueprints	7	E	Equipment development
J	Hardware component orders	1	I	Procurement
K	Hardware component delivery	6	J	-
L	Integration of phase 1	12	D,G,H,K	Software development, Equipment development, Software installation, Equipment assembly
M	Prototype development	10	L	Software development, Equipment development
N	Prototype introduction	6	M	Software installation, Equipment assembly
O	System evaluation and improvement	9	N	Software installation, Equipment assembly, Equipment development
P	Hardware assembly	18	N	Equipment assembly
Q	Computer system installation	7	P	Software development, Software installation
R	Project documentation	4	O,P	Software development, Equipment development, Documentation
S	Integration of phase 2	12	Q,R	Software development, Equipment development, Software installation, Equipment assembly

Task 1: Complete the following tables for each **process group** based on Table 1 and PMBOK readings (key reference to Figure 3.3 p. 42 in PMBOK).

1. Initiation	
Key Outputs/ Deliverables	
Inputs	

2. Planning	
Key Outputs/ Deliverables	
Inputs	

3. Execution	
Key Outputs/ Deliverables	
Inputs	

4. Monitoring & Control	
Key Outputs/ Deliverables	
Inputs	

5. Closing	
Key Outputs/ Deliverables	
Inputs	