METZ

Critical path using Precedence diagram

Project name : KAVS relay product upgrade

Group Code : NEXT81_ONL1_ERP8_M1d

Revision : 01

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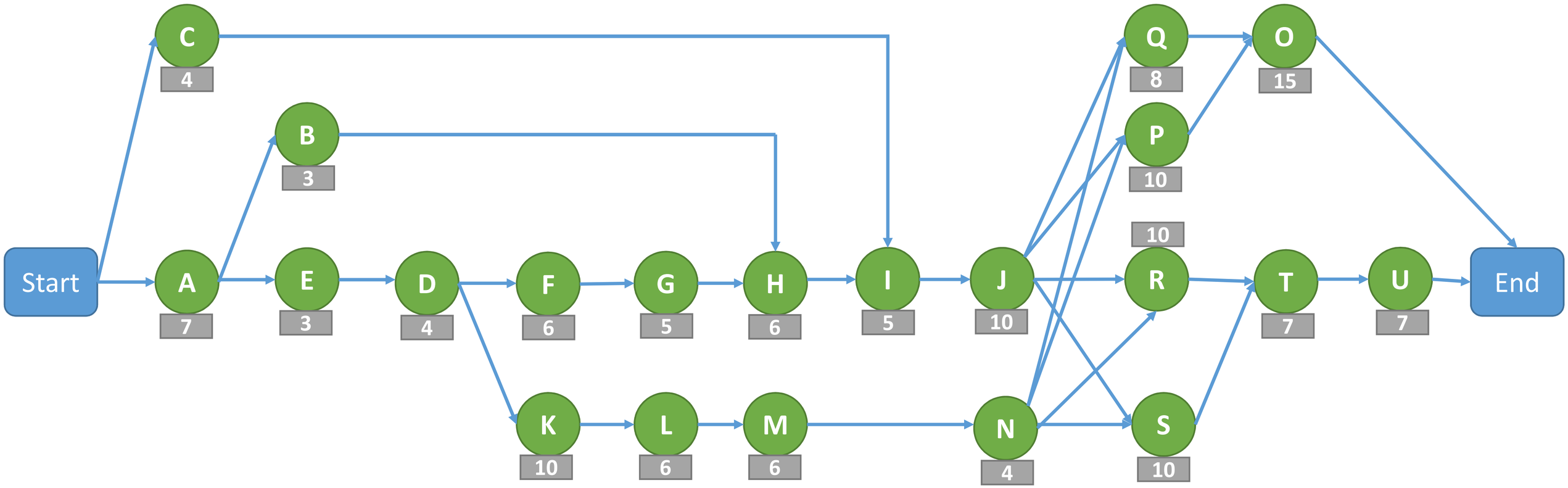
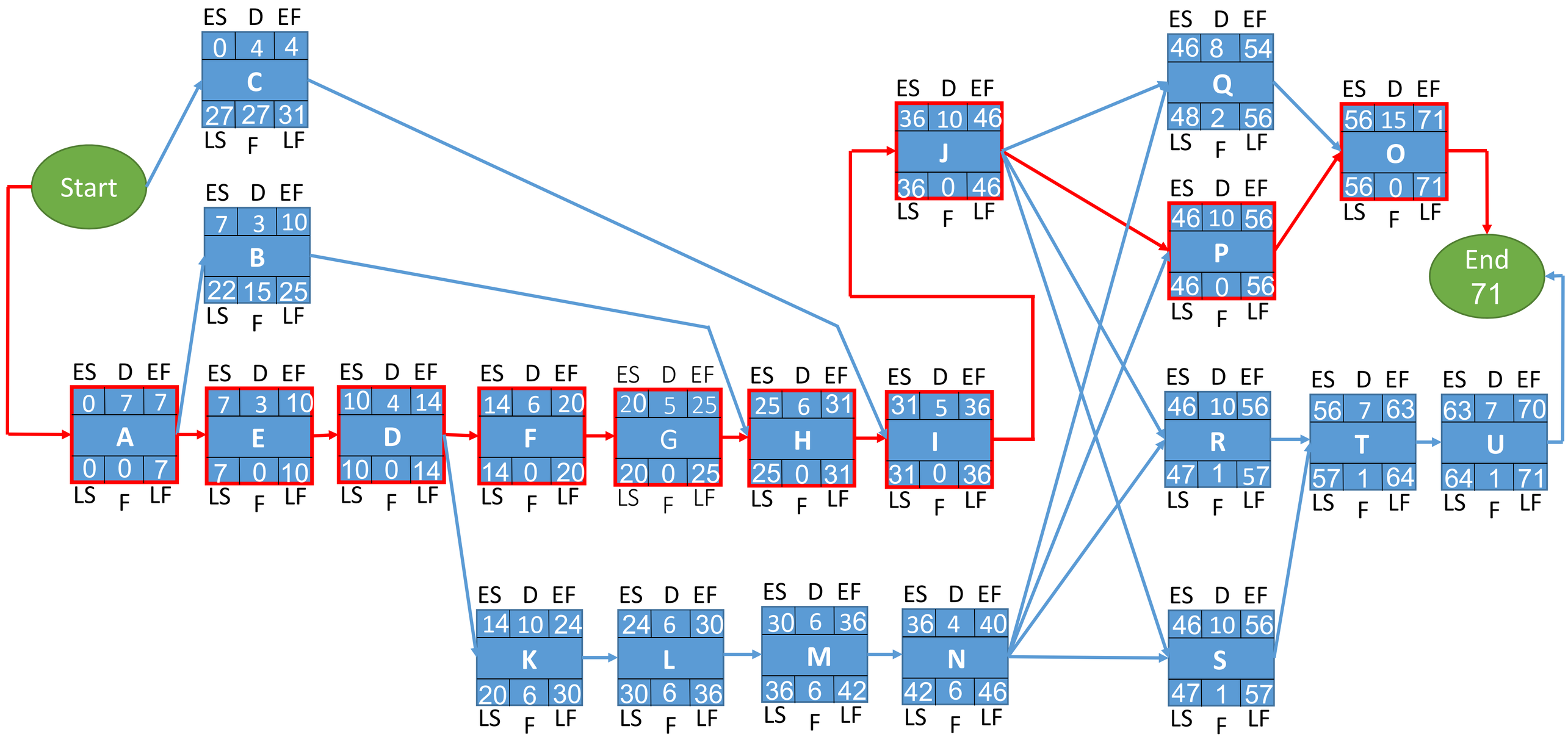
Critical path method (CPM) is used to identify the longest sequence of dependent tasks that determines the minimum completion time for a project

ID	Task	Duration (days)	Precedence
A	PCB layout design	7	Start
B	Enclosure design	3	A
C	Built-in logic design	4	Start
D	Electronic circuit diagram/connection design	4	E
E	Manufacturability and Reliability calculations	3	B
F	PCB manufacturing	6	D
G	Surface Finish	5	F
H	Enclosure fabrication	6	G
I	Firmware development integrating with IoT technology	5	H
J	Product testing	10	I
K	Update design for the web page	10	D
L	Develop continent	6	K
M	Integrate IoT with web page	6	L
N	Web page testing	4	M
O	Market Research	15	Q,P
P	Create the content plan	10	J,N
Q	Write and print promotional brochures	8	J,N
R	Develop training sessions	10	J,N
S	Prepare Training Manuals	10	J,N
T	Train sales employees on upgraded KAVS product	7	R,S
U	Monitor progress and improve training processes	7	T



Precedence diagram (network diagram)



Critical path= Start-A-E-D-F-G-H-I-J-P-O-End =71 days