

TABLE 2. THE EXPECTED TIME OF EACH ACTIVITY IN THE PROJECT.

Activity	Immediate Predecessors	Expected Time(days)
A	-----	1
B	-----	2
C	A	3
D	A	4
E	B	4
F	C,D	8
G	D,E	6
H	F,G	5

Step 3: Draw the network diagram by using Microsoft Project 2010.

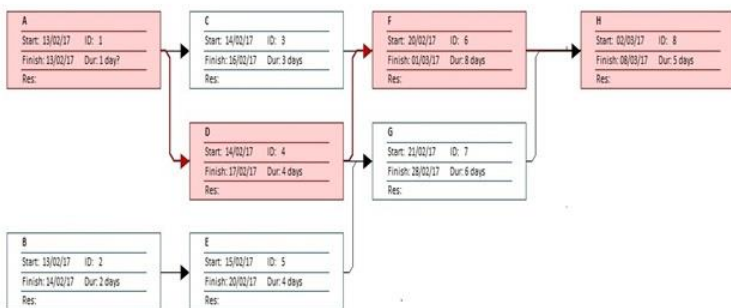


Fig. 1. Network of activities with critical path

From figure 1, we find that the critical path is A-D-F-H and is denoted by red line. The expected project completion time = $t_A + t_D + t_F + t_H = 18$ days.

V. CONCLUSION

Neutrosophic set is a generalization of classical set, fuzzy set and intuitionistic fuzzy set because it not only considers the

truth-membership and falsity- membership but also an indeterminacy membership which is very obvious in real life situations. In this paper, we have considered the three time estimates of PERT as a single valued trapezoidal neutrosophic numbers and we used score function to obtain crisp values of three time estimates. In future, the research will be extended to deal with different project management techniques.

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