







2. The named entity recognition techniques extract the names of persons or organizations and locations involved in an event. As a result, users can easily track the persons, organizations.

3. The interconnectivity of the graph structure can also support the construction of a convenient information-browsing platform for users to navigate through the development of that news affair

### Comparison:

We can detect and track different topics from document sequences by using TDT and EPET techniques.. TDT techniques have been attempting to detecting or clustering news stories into event, without defining or interpreting the association between these events. Therefore event evolution is a new concept developed recently. EPET technique first finds event pattern and EP used in tracking process.Event evolution is the transition development process of related events within the same topic. Makkonen[4], Nallapati[5],Wei and Y.Chang[6,7] was defined concept of event evolution by using differnt methods.We compaier these three approches based on their used methods.Comparision is as given below:

Methods	Makkonen [4]	Nallapati [5]	Chin-ping and Yu-Hsiu Chang[6,7]
Temporal order	√	√	√
Temporal proximity			√
Document Similarity	√	√	√
Document Proximity			√
Event Threading	√		√
Event Joining			√

**Fig. 4. Comparison between event evolution approaches**

Wei and Y.Chang[6,7] used temporal order,teporal proximity,document proximity,event threading and enent joining which gives best results.By using this apprch we can discover event episodes and that are used in event tracking.By using Event threading and joining represent event

evolution in directed acyclic graph.So that can be used for easy browsing.

### Conclusion:

In this paper, we survey the major event traking and event evlution approaches. The TDT generally focuses on how to detect topics and novel event as well as news stories into different topics or event. TDT paid less attention on interpreting the interrelationship between event. Interrelationship between event is out of scope of TDT research,and thus become novel problem i,e event eolution. Event evplution graphs shows the sophisticated event interrelationship in graphical structure for easy navigation and browsing.

### References:

- [1] J. Allan, R. Papka, and V. Lavrenko, "On-line new event detection and tracking," in Proc. 21st Annu. Int. ACM SIGIR Conf. Res. Development Inf. Retrieval, Melbourne, Australia, 1998, pp. 37–45.
- [2] Y. Yang, T. Pierce, and J. Carbonell, "A study on retrospective and online event detection," in Proc. 21st Annu. Int. ACM SIGIR Conf. Res. Development Inf. Retrieval, Melbourne, Australia, 1998, pp. 28–36.
- [3]J. Carthy J. Carthy, "Lexical chains for topic detection ."Dept computer Sci,Univ. Collage Dublin-National Univ. Ireland, Dublin, Ireland, 2002. Tech. Rep.
- [4] J. Makkonen, "Investigations on event evolution in TDT," in Proc. Conf. North Amer. Chapter Assoc. Linguistics Human Language Technol., HLT-NAACL Student Research Workshop, Edmonton, AB, Canada, 2003, pp. 43–48.
- [5] R. Nallapati, A. Feng, F. Peng, and J. Allan, "Event threading within news topics," in Proc. 13th ACM Int. Conf. Inf. Knowl. Management, Washington, DC, 2004, pp. 446–453.
- [6] Wei and Y. Chang, "Discovering event evolution patterns from document sequences," IEEE Trans. Syst., Man, Cybern. A, Syst., Humans, vol. 37, no. 2, pp. 273–283, Mar. 2007.
- [7] Wei and Y. Chang, "Discovering event evolution Graph from corpora," IEEE Trans. Syst., Man, Cybern. A, Syst., Humans, vol. 39, no. 4, July. 2009.