**START**1. Number of nodes (heterogeneous with normal and advanced nodes) with fixed processing and energy are deployed.  
2. STARTING OF FIRST ROUND, FIRST IS ADVERTISEMENT,   
A) cluster head election is performed on the basis of residual energy of node taken as criteria .

B) status of being a cluster head is advertised to the nearby nodes.  
C) non cluster nodes listen to the medium to decide their cluster membership on the basis of signal strength.

**Advertisement Phase**

Initially when clusters are started forming the decision whether a node become cluster head for the present round is dependent on the percentage of cluster heads for the network and how many times the node had been used for the same purpose. This decision is done on following criteria:

**Terminology**p normal probability of normal node of becoming cluster head

P advance probability of advanced node of becoming cluster head

m is fraction of nodes

a is additional energy factor

p simple probability of node of becoming cluster head as per leach protocol (taking energy at place of distance for election)

3. SECOND IS SETUP PHASE,  
A) nodes broadcast their membership status.  
B) cluster listen to medium and create a time division multiple access based dynamic time slots for them.  
4. DATA TRANSMISSION IS THIRD STEP OF PHASE  
A) nodes sleep until its TDMA slot and transmit during its slot  
B) cluster head collect data aggregates and compresses and pass it to sink with energy normal transmission level.  
5. Completion of single iteration  
6. Phase works until completion of number of rounds.  
**END**