PROJECT SCHEDULING

THE PURPOSE OF PROJECT SCHEDULING IS TO DETERMINE WHEN DIFFERENT COMPONENT ACTIVITIES SHOULD BE UNDERTAKEN AND WHEN THEY NEED TO BE COMPLETED. SUCH INFORMATION HELPS TO COMPLETE A PROJECT ON ECHEDULE; HELPS TO IDENTIFY ACTIVITIES WHICH, CRITICAL TO THE ON-TIME COMPLETION OF THE PROJECT (these are activities which lie on the critical path); HELPS TO IDENTIFY ACTIVITIES WHICH CAN BE HOUGH AROUND (i.e. have floats); AND HELPS TO ACHIEVE A SCHEDULE OF ACTIVITIES WHICH LEVEL RESOURCE REQUIREMENTS.

THE TECHNIQUE STUDIED HERE IS CALLED PERT. IN THIS METHOD:

- WHEN ACTIVITIES BEGIN AND/OR END. (EVENTS)
- ACTIVITIES ARE REPRESENTED AS ARROWS EMANATING, FROM ONE NODE AND ENDING AT ANOTHER. (ONE ARROW FOR ONE ACTIVITY)
- MO TWO ACTIVITIES CAN BE REPRESENTED BY THE SAME PAIR OF STARTING AND ENDING MODES (EVENTS).
 - DUNNY ACTIVITEES WHICH CONSUME ZERO RESOURCES,
 AND ZERO TIME) A NETWORK REPRESENTING,
 ALL THE ACTIVITIES AND THEIR INTERRELATIONSHIPS (PRECEDENCE RELATIONS) IS
 CONSTRUCTED.
 THIS NETWORK IS USED TO CALCULATE ALL NEC. INFO-