



SNS COLLEGE OF ENGINEERING



Kurumbapalayam(Po), Coimbatore – 641 107

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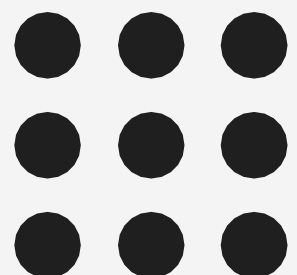
Department of Information Technology

Course Name – IT8075 Software Project Management

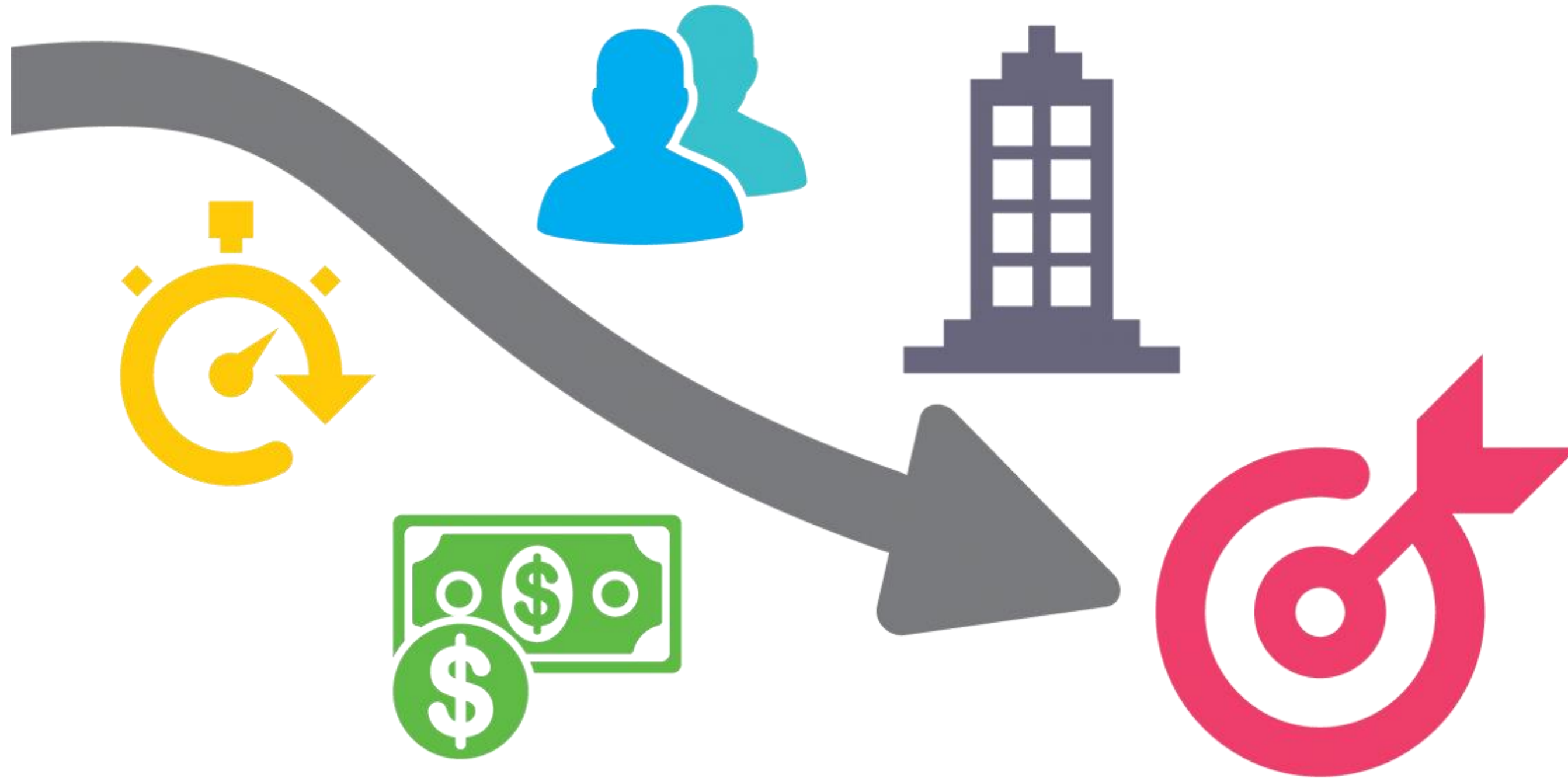
IV Year / VII Semester

Unit 3 – Activity Planning and Risk management

Topic 9 – Resource Allocation



What the image imply



Resource Allocation

Resource allocation

- Closely linked with activity plan
- Allocation of resources to activities may lead to modify the activity plans
- May involve revise of project completion date

Steps

- Identify resources
- Make the demand for resources
- Produce work plan resource schedule



Resource allocation involves

- An Activity schedule
- Resource Schedule
- Cost schedule



Resource Allocation

Nature of resources Categories

- Labour
- Equipment
- Materials
- Space
- Services
- Time
- Money

Other factors

- Identifying resource requirements
- Scheduling resources





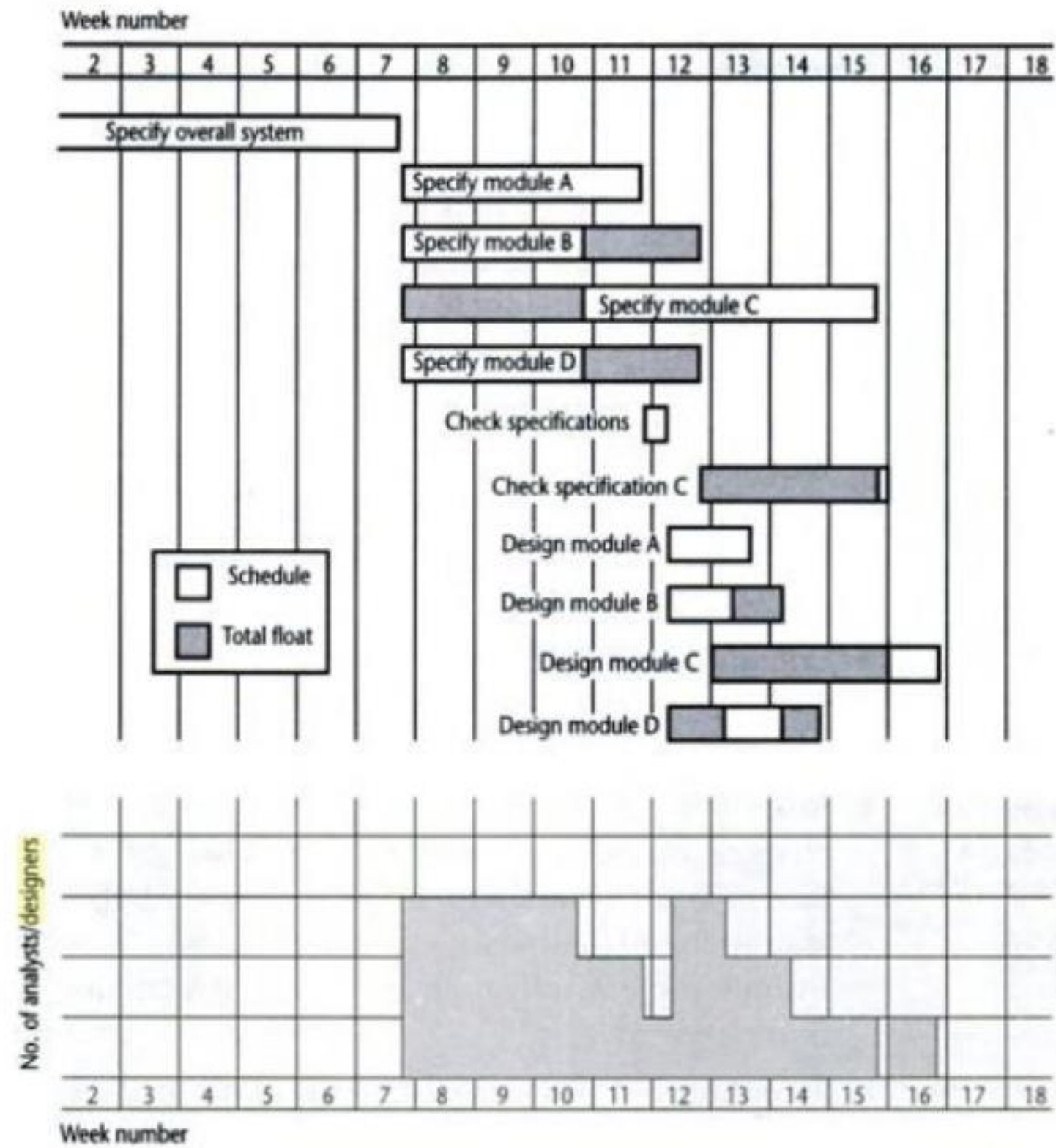
Resource Allocation



Creating critical path

- Scheduling resources create new critical paths
- Delaying the start of activity because of lack of resources will cause that activity becomes critical
- Delay in completing one activity can delay availability of resources required for later activities.
- If later one is already critical then earlier one might now have been made critical.

Resource Allocation



Resource Allocation

Cost Schedule

Involves Weekly or Monthly cost schedules for project life cycle

Staff costs – Staff salaries, Social security fund, pension scheme, holiday pay, sickness benefit



Overheads – expenditure incurs, which cannot directly related to individual projects or jobs including space rental, interest rates, cost of service dept.



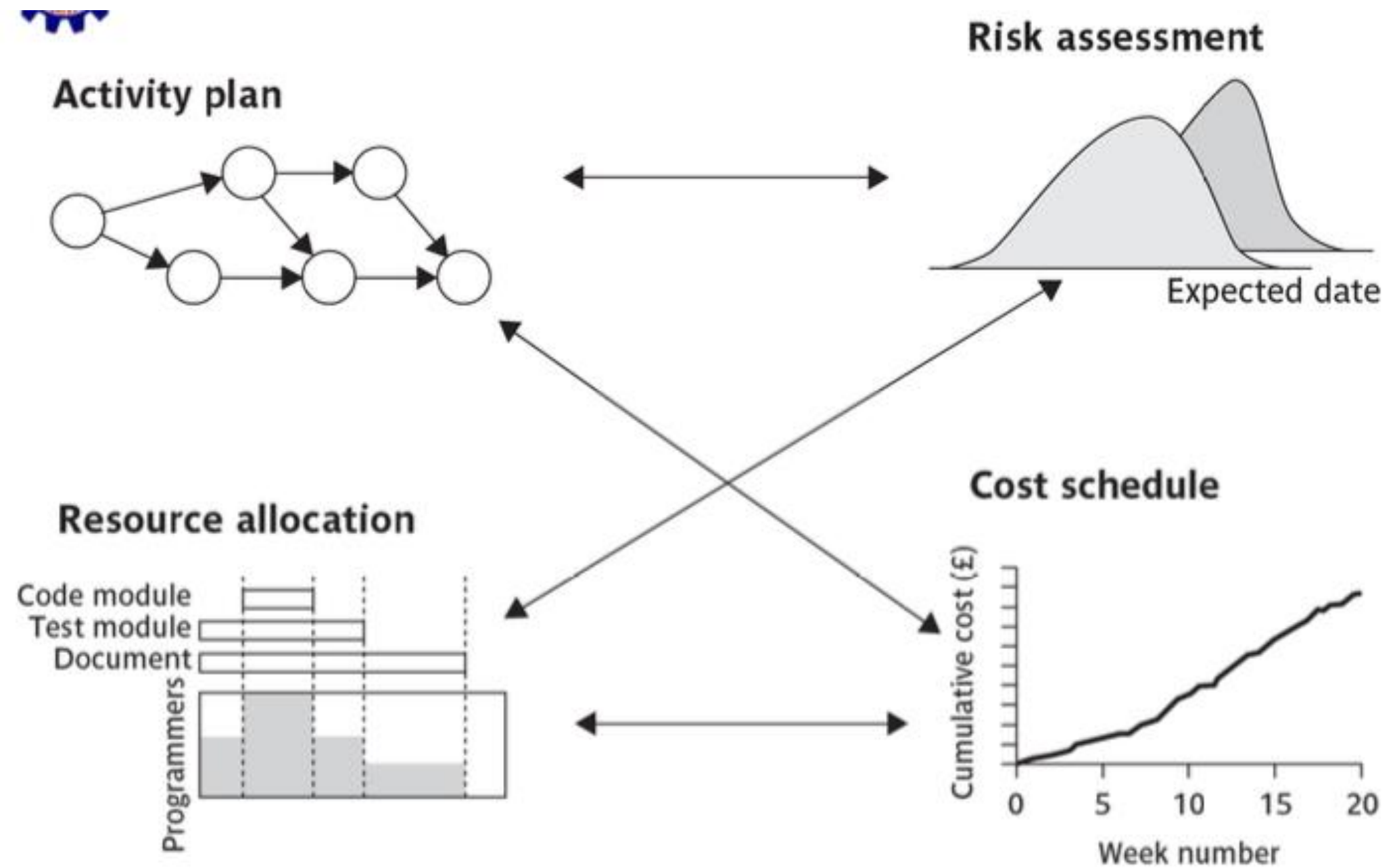
Usage charges – Projects are directly charged for use of resources such as computer time. As used bias.



Resource Allocation

The scheduling sequence

- Activity plan
- Risk assessment
- Resource allocation
- Schedule
- Cost schedule





THANK YOU