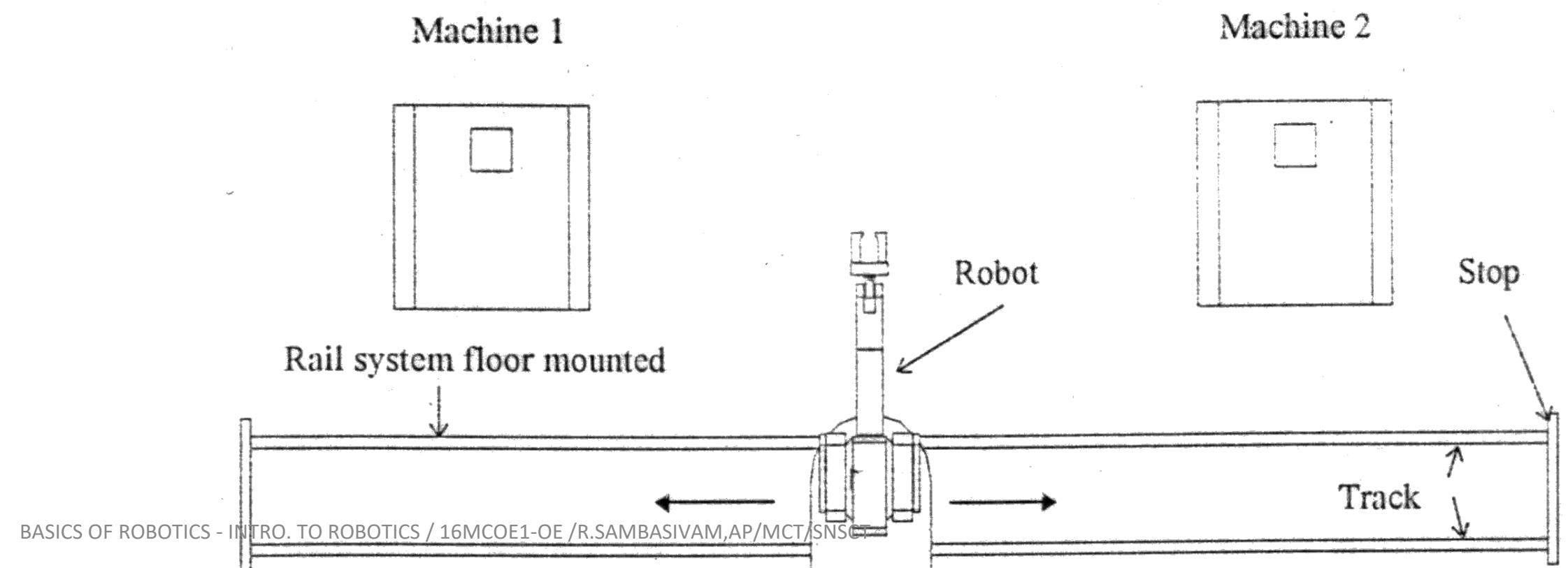




Mobile work cell

- In this arrangement, the robot is provided with a means of transport, such as a mobile base, within the work cell to perform various tasks at different locations.

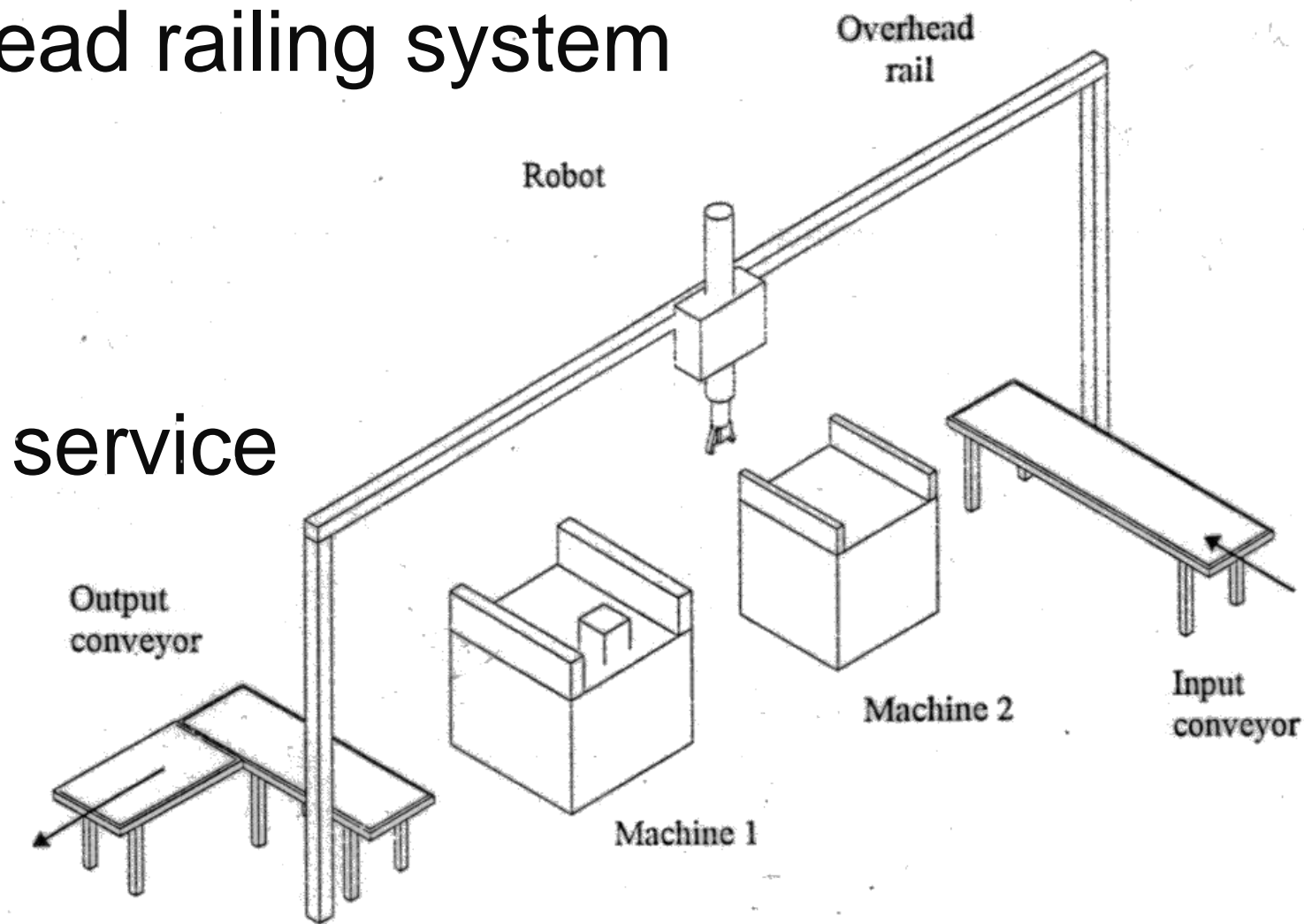
Note: service more than one station (production machine) that has long processing cycles, and the stations cannot be arranged around the robot in a robot-centred cell arrangement.





Mobile work cell

- Transport mechanism: floor mounted or overhead railing system
- Service for more than one station
- Problem: to find optimum number of station to service



- One such reason could be due to the stations being geographically separated by distances greater than the robot's reach. The type of layout allows for time-sharing tasks that will lower the robot idle time.
- One of the problems in designing this work cell is to find the optimum number of stations or machines for the robot to service.