Module 5. Path Planning & Trajectory Planing \* How the end effector would pick forop at a given point based on the given location \* The path through which the end effector is moving or positioning it self is important. Posh Planning. > points in space whose the end effector passes through Trajectory Planning > The velocity or acceleral at which the robotic ean dessume, joint variable as O, (t,) with V, velocity Oa (ta) - Va nelocity. Tasks-2 Task planning. (going from one position to another).

S-2 starter point. Y. A. G. 3 2-95 2 302 101 >x. Path is Stoff. 4 Path planing is S->1->2->3->1 Point Took space Joint Space. S (X21 78) (01, 02) \* Trajectory pla (x, y,) (0', 0')is tooking He the path look  $(x_2 y_2)$   $(o_1^2, o_2^2)$ (Zig Zag, Lin  $G \left( X_{G}, Y_{G} \right), \left( \mathcal{O}_{G}^{G}, \mathcal{O}_{2}^{G} \right)$ in Jask pla (Carterial) \* 2 ways of Calculation in Revolute. Calc. under task space (Jaints.)
is always difficult. Décause it involutions les kinematies. &. It is a computation challenge in r So, Joint space is preferred for pa planning.