

Perception

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graph TD; Perception[Perception] --> MP[Motion Planning]; subgraph MP; Velocity[Velocity profile]; Path[Path]; end; MP --> Control; subgraph Control; Longitudinal[Longitudinal]; Lateral[Lateral]; end
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The diagram illustrates a control system architecture. It begins with a 'Perception' block at the top. An arrow points down to a 'Motion Planning' stage, which is represented by a large rounded rectangle containing two sub-blocks: 'Velocity profile' on the left and 'Path' on the right. Another arrow points down from the 'Motion Planning' stage to a 'Control' stage, represented by a large rounded rectangle containing two sub-blocks: 'Longitudinal' on the left and 'Lateral' on the right. The labels 'Motion Planning' and 'Control' are written in red text to the right of their respective stages.



Motion Planning

Velocity profile

Path



Control

Longitudinal

Lateral