```
                    Path Planning Techniques
          ┌──────────────────┴──────────────────┐
   Classical Approaches                   AI-Based Approaches
   ┌───────┼───────┐                      ┌───────┴───────┐
Grid-Based  Sampling-Based  Potential Field  Neural Network  Bio-Inspired
Techniques  Techniques      Techniques       Techniques      Algorithms
```