

Path Planning Techniques

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graph TD; A[Path Planning Techniques] --> B[Classical Approaches]; A --> C[AI-Based Approaches]; B --> D[Grid-Based Techniques]; B --> E[Sampling-Based Techniques]; B --> F[Potential Field Techniques]; C --> G[Neural Network Techniques]; C --> H[Bio-Inspired Algorithms];
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Classical Approaches

**Grid-Based
Techniques**

**Sampling-Based
Techniques**

**Potential Field
Techniques**

AI-Based Approaches

**Neural Network
Techniques**

**Bio-Inspired
Algorithms**