

Advantages of Rule-Based Machine Translation RBMT offers several advantages that make it a pioneering technology in machine translation:

- o High Accuracy for Grammatical Sentences: When the rules are well-defined and the source sentence adheres to grammatical norms, RBMT can produce highly accurate translations. For instance, a 1994 study by Slocum et al. found that RBMT systems achieved high accuracy in translating technical manuals from English to French, demonstrating their effectiveness in domain-specific translation tasks [3].
- o Domain-Specific Customization: RBMT systems can be readily customized for specific domains by incorporating specialized linguistic rules and terminology relevant to that domain.