6th Semester, Academic Year 2026-27

GEN-AI

HANDSON_1

Date: 28/1/26

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Task	Model	Classification (Success/Failure)	Observation (What actually happened?)	Why did this happen? (Architectural Reason)								
2	Generation	BERT	Failure	Failed to generate coherent text; produced errors or meaningless output.	BERT is an encoder-only model and is not trained for autoregressive text generation.								
3	Generation	RoBERTa	Failure	Unable to generate meaningful text, similar behavior to BERT.	RoBERTa is also an encoder-only model without a decoder for sequence generation.								
4	Generation	BART	Success	Generated fluent and contextually relevant continuation of the prompt.	BART uses an encoder-decoder architecture designed for sequence-to-sequence generation.								
5	Fill-Mask	BERT	Success	Correctly predicted masked words such as 'create' and 'generate'.	BERT is trained using Masked Language Modeling (MLM).								
6	Fill-Mask	RoBERTa	Success	Predicted accurate and contextually appropriate masked tokens.	RoBERTa improves upon MLM training with more data and optimized training.								
7	Fill-Mask	BART	Partial	Predicted reasonable words but with less consistency than BERT/RoBERTa.	BART is trained on denoising objectives rather than explicit MLM.								
8	QA	BERT	Partial	Extracted relevant keywords but answers were brief or incomplete.	Model is not fine-tuned on a question-answering dataset like SQuAD.								
9	QA	RoBERTa	Partial	Provided slightly better answers than BERT but still lacked detail.	Better pretraining helps, but absence of QA fine-tuning limits performance.								
10	QA	BART	Partial	Generated readable answers but accuracy varied across questions.	Encoder-decoder helps answer formulation, but no QA-specific fine-tuning was applied.								
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13				**SRN:- PES2UG23CS366**									