PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY

Department of Computer Science & Engineering

ASSIGNMENT -1 & 2

Course Outcomes		
Upon successful completion of the course, the student will be able to:		
CO1	Understand the basic concepts of Artificial Intelligence.	L2
CO2	Apply the principles of AI in solutions that require problem solving, knowledge representation.	L3
CO3	Apply Planning and Learning for solving AI problems.	L3
CO4	Analyze a given problem and apply AI Techniques.	L4

NAME OF THE CERTIFICATION:	**Google Gen AI**	
STUDENT FULL NAME:	**Rayapudi Sai Roshini**	
STUDENT REGISTRATION NUMBER:	**22501A05F4**	
COURSE:	**B. Tech**	
YEAR / SEM / GROUP	**III-I , G3**	
COURSE NAME: Professional Elective Course - I	**ARTIFICIAL INTELLIGENCE**	
COURSE CODE:	**20CS4501D**	
ACADEMIC YEAR:	**2024-25**	
DATE OF SUBMISSION:		
SIGNATURE OF STUDENT:		
MARKS ALLOTED:	**Assignment-1** **/5**	**Assignment-2** **/5**
NAME AND SIGNATURE OF COURSE COORDINATOR:	**Mr. A. Prashant**	

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Introduction to Generative AI

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Introduction to Large Language Models

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Introduction to Large Language Models

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Introduction to Responsible AI

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Introduction to Responsible AI

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Prompt Design in Vertex AI

Machine Learning & AI

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Applying AI Principles with Google Cloud

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Responsible AI: Applying AI Principles with Google Cloud

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Gemini for Application Developers

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Gemini for Application Developers

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Gemini for Cloud Architects

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Gemini for Cloud Architects

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Gemini for Data Scientists and Analysts

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Gemini for Data Scientists and Analysts

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Gemini for Network Engineers

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Gemini for Network Engineers

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Gemini for Security Engineers

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Gemini for Security Engineers
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Gemini for DevOps Engineers

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Gemini for DevOps Engineers
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Gemini for end-to-end SDLC

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Gemini for end-to-end SDLC

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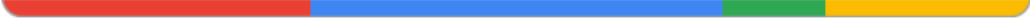# roshinirayapudi GOOGLEUSER has earned this award!

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Develop GenAI Apps with Gemini and Streamlit

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Introduction to Image Generation

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Introduction to Image Generation

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Attention Mechanism

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Attention Mechanism

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Encoder-Decoder Architecture

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Encoder-Decoder Architecture

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Transformer Models and BERT Model

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Transformer Models and BERT Model

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Create Image Captioning Models

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Create Image Captioning Models

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Introduction to Vertex AI Studio

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Introduction to Vertex AI Studio

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Vector Search and Embeddings

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Vector Search and Embeddings

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Inspect Rich Documents with Gemini Multimodality and Multimodal RAG

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Inspect Rich Documents with Gemini Multimodality and Multimodal RAG

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Responsible AI for Developers: Fairness & Bias

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Responsible AI for Developers: Interpretability & Transparency

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Responsible AI for Developers: Interpretability & Transparency

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Machine Learning Operations (MLOps) for Generative AI

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Machine Learning Operations (MLOps) for Generative AI

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