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PROJECT ABSTRACT

On

ADVANCED KNOWLEDGE RETRIEVAL AND MULTI-MODAL QUERY PROCESSING SYSTEM FOR REAL-TIME ACCESS TO MULTIMEDIA, TEXTUAL & ONLINE RESOURCES

BACHELOR OF TECHNOLOGY

in

COMPUTER SCIENCE & ENGINEERING (ARTIFICIAL INTELLIGENCE)

Submitted by

STUDENT NAMES	:	REG. NO.
GOLLA SRIKRISHNADEVARAYULU	:	21G31A3116
DASARI HARI	:	21G31A3112
KATIKA MD KHAYYUM	:	21G31A3127
PATEGHAR MOHAMMED THOUSIF	:	21G31A3140

Under the guidance

of

Dr.G.K.V.NARASIMHA REDDY M.Tech, Ph.D.,

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING (ARTIFICIAL INTELLIGENCE)

St. Johns College of Engineering and Technology

(Affiliated to JNTU-A, Approved by AICTE New Delhi and Accredited NAAC)

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ABSTRACT

The **"Advanced Knowledge Retrieval and Multi-Modal Query Processing System for Real-Time Access to Multimedia, Textual, and Online Resources"** is a dynamic application that streamlines information retrieval across multimedia and text-based platforms. Using voice, text, and natural language queries, the system provides users with access to diverse resources, including Wikipedia, Google, YouTube, and news channels.

The system's core functionality lies in interpreting queries and delivering relevant information through multi-modal processing. Integrating APIs such as YouTube Data API, Google Custom Search, and News APIs, along with a Wikipedia summarization module, it offers an intuitive experience for exploring various knowledge domains. Text-to-speech capabilities further enhance accessibility, making information available to a broader audience.

This tool features real-time data retrieval, personalized filtering, and options to save search results as PDFs. With its advanced interface, the **Advanced Knowledge Retrieval and Multi-Modal Query Processing System** meets the demand for unified, cross-platform search, benefiting students, researchers, and knowledge seekers by providing rapid, accessible, and relevant data.

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SIGNATURE OF THE PROJECT GUIDE	SIGNATURE OF THE PROJECT COORDINATOR	SIGNATURE OF THE HEAD OF THE DEPARTMENT