Investigation on Multimedia data Retrieval

Xi'an Jiaotong-Liverpool University

Contribution to Overall Marks	15%
Language	English
To submit:	Week 8

1. Investigate on Multimedia data (Text, Audio, Image, Video) Retrieval and write a report (2000 words).

2. Topics (limited to):
   - Content-Based Image Retrieval (CBIR) in E-commerce Applications: Challenges and Solutions
   - Comparative Study of Traditional vs. AI-Based CBIR Methods
   - Image Retrieval Using Multi-Attribute Analysis (Color, Pattern, Style)
   - Real-Time Music Recommendation Using Voice Input
   - Cross-Language Text Retrieval Methods
   - Medical Image Retrieval for Diagnostics Assistance
   - Personalized Video Recommendation Systems for Streaming Platforms
   - Facial Image Retrieval for Identity Verification in Security Systems
   - Recipe Retrieval Using Image Recognition in Food and Beverage Apps
   - Intelligent Document Retrieval for Enterprise Knowledge Management
   - Location-Based Image Retrieval in Tourism Applications
   - Product Image Retrieval for Augmented Reality Shopping

3. Requirements:
   - Refer to at least 6 **journal** articles;

Components	Max	Marking Criteria	Marks Awarded
Background - Introduction - Literature Review	30	• Show knowledge of the research, theory, concepts, ideology, and opinion related to the topic. • Has the literature review been selective? • Is there any critical assessment of the reviewed literature? • Is the material properly referenced and acknowledged?	
Main Body - Critical Thinking	30	• Does each table/figure/chart stand on its own, clear and self-explanatory? • Is redundancy eliminated or minimised?	
Conclusions/ Future Work	10	• Are conclusions drawn about each question or hypothesis? • Does the student understand clearly the area of study and significance of the results? • Is the suggested future work justified and achievable within reasonable cost and time constraints?	
Presentation/ Layout/ Language	30	• Good layout, logical sequence • Use of good English including grammar, vocabulary, sentence structure, tenses • Is there a logical flow? • Use of references, citations (based on the recommended bibliographic system).	
Total: 100 (15% of the Module Mark)			