TEMPLATEFORCOURSESPECIFICATION

HIGHEREDUCATIONPERFORMANCEREVIEW:PROGRAMMEREVIEW

COURSESPECIFICATION

Information retrieval is the activity of obtaining information resources **relevant** for an user's **information need** from a **collection** of **information resources**.
♣ Elements of an information retrieval process:
- Information needs (users express them in the form of queries)
- Information (re)sources, most often unstructured (text, images, video, audio, etc.)
- A system/method/model for identifying (re)sources relevant for a given information need (usually from a large collection of information resources.

1.TeachingInstitution	College of Computer Science & Information Technology
2.UniversityDepartment/Centre	Information System
3.Coursetitle/code	Information Retrieval
4.Programme(s)to whichit contributes	
5.ModesofAttendanceoffered	
6.Semester/Year	Semester1
7.Numberofhourstuition(total)	28
8.Dateofproduction/revisionofthis specification	

9.Aims of theCourse:
The aim of information retrieval is to provide the user with the "best possible" information from a database. . A common form of interaction for information retrieval is for the user query. These are then used by the information retrieval system to identify information that . the key goal of an IR system is to retrieve information which might be useful or relevant to the user. The emphasis is on the retrieval of information as opposed to the retrieval of data

10·LearningOutcomes,Teaching,LearningandAssessmentMethode

A-KnowledgeandUnderstanding

A1. a description of the decision process

A2. a justification for how the process would be improved with this system

A3. the goals/objectives of the DSS

A4. a discussion of how those goals/objectives meet the needs of the users

A5. a discussion of how the DSS might be integrated into normal work processes

A6 . an explanation of what types of information will the system require, and how will that information be maintained

B. Subject-specific skills

B1. summer training

B2. Graduate Research

B3. Scientific Reports

TeachingandLearningMethods

Sudden daily and continuous weekly tests.

Exercises and activities in the classroom.

Guide students to some websites to benefit from them.

Assessmentmethods

Participation in the classroom.

Presentation of activities

Semester and final exams and activities.

C. Thinking Skills

C1. Develop the student's ability to work on the duties and deliver them on time.

C2. Programmatically analyze the problem and find solutions based on the expected results.

C3.   - Develop the student's ability to dialogue and discussion.

TeachingandLearningMethods

Management of the lecture in an applied manner linked to the reality of daily life to attract the student to the topic of the lesson without moving away from the core of the topic so that the material is flexible and capable of understanding and analysis.

• Assigning the student some group activities and duties.

• Allocating a percentage of the grade for daily assignments and tests.

Assessment methods

• Active participation in the classroom is evidence of the student's commitment and responsibility.
• Commitment to the deadline in submitting assignments and research.
• The quarterly and final exams express commitment and cognitive and skill achievement.

D.GeneralandTransferableSkills(otherskillsrelevanttoemployabilityandpersonal development)
D1. - Develop the student's ability to deal with technical means.
D2. - Develop the student's ability to deal with the Internet.
D3. - Develop the student's ability to deal with multiple media.
D4. - Develop the student's ability to dialogue and discussion.

11.CourseStructure

Week	Hours	ILOs	Unit/ModuleorTopicTitle	Teaching Method	Assessment Method
1	2	IR	Introduction to IR	Theory	General questions and discussion
2	2	ORGANIZATION	Concepts of Internet and Search Engine Framework	Theory	General questions and discussion or an exam
3	2	OVERVIEW	Concepts of Internet - Internet protocols - Internet Strategy	Theory	General questions and discussion
4	2	previous topics	-what is information retrieval?	Theory	group assignments
5	2		General information rerieval model	Theory	Debate
6	2		Executive Information Systems	Theory	exam
7	2		Text representations and preprocessing	Theory	General questions and discussion
8	2		Tokenization &Normalization	Theory	General questions and discussion or an exam
9	2		Morphological normalization	Theory	General questions and discussion
10	2		Information Retrieval and Search Engine	Theory	group assignments
11	2		Types of Search Engines	Theory	Debate
12	2		Search Engines Working	Theory	exam
13	2		Search Engines Components	Theory	General questions and discussion
14	2		**Final exam**	-	Final exam

12.Infrastructure

Requiredreading: · CORETEXTS · COURSEMATERIALS · OTHER	- Introduction to information retrieval, **Prof. Dr. Goran Glavaš,** Data and Web Science Group - Simone Teufel, Natural Language and Information Processing (NLIP) Group
Special requirements (include forexample workshops, periodicals,ITsoftware,websites)	
Community-based facilities(include for example, guestLectures,internship,field studies)	Practical application in companies and related departments and graduation research projects.

13.Admissions	
Pre-requisites	--
Minimumnumberofstudents	10
Maximumnumber ofstudents	70