



JAVA INSTITUTE FOR ADVANCED TECHNOLOGY

Department of Examinations



COURSE(S) - (LEADING TO)	PROFESSIONAL DIPLOMA IN SOFTWARE ENGINEERING
UNIT NAME	DATABASE MANAGEMENT 1
UNIT ID	H7DX 04
ASSIGNMENT ID	H7DX 04/AS/01
RESEARCH NAME	RESEARCH ON DATABASE FUNDAMENTALS
DESCRIPTION	STUDENTS ARE EXPECTED TO CONDUCT A RESEARCH WORK ON DISCOVERING DATABASE FUNDAMENTALS, ITS EVOLUTION AND JOB ROLES REVOLVING AROUND IT.
DURATION	1 WEEK
WORD COUNT	1500
SUBMISSION VIA	ONLINE (STUDENT PORTAL)
DOCUMENT FORMAT	MICROSOFT WORD OFFICE DOCUMENT

GUIDE LINES FOR CANDIDATES

- Students are expected to use reference books, the Internet, journals and other similar sources in order to accomplish the task specified above.
- Students are expected to refrain from repeating any content in their research document.
- Students will be penalised for any plagiarism.

NAME	:
	(BLOCK CAPITALS)
ADMISSION NO	:
NIC NO	:

Question:

1. Describe fundamentals of Database Management Systems.

- Evolution of Database Management Systems.
- Advantages and Disadvantages of the Database Management Systems approach vs. File Based Systems approach.

2. Describe the following job roles related to Database Management Systems:

- Data Administrator (DA)
- Database Administrator (DBA)
- Database Designer
- Application Developer
- End User

3. Documentation should consist of relevant images/diagrams with minimum of 1500 words.

Assignment Submission Guidelines for Students

Students are advised to strictly follow the guidelines specified herein when formulating and submitting research assignments

Important Information for Students

1. The assignment should be submitted only as a soft copy in a Microsoft Word format on or before the specified assignment due date.
2. The soft copy of the assignment should be uploaded to the student portal using the SCN number.
3. The submission date provided for all assignments are the final dates on which you can hand upload the assignments. Please note that late submissions are not allowed.
4. Plagiarism is treated as a serious offence and the work you produce should be individual and original. However, note that students will have to work in groups in certain scenarios.
5. All sources of information in any assignment must be referenced using the “Harvard referencing” system, where a reference listing should be included at the end of the assignment.
6. Please contact your branch on assignments, re-submission, and related procedures.
7. Students are expected to maintain a backup of all assignments. The Java Institute for Advanced Technology retains all the rights to re-call soft copies of any assignment at any time during the course.
8. Students should use the attached assignment coversheet and declaration of authentication form to the assignment
9. Students are expected to provide the following information in their assignment coversheet of the softcopy in the CD:
 - Student name
 - SQA ID number
 - NIC No
 - Subject name
 - Subject code
 - Branch.
10. Assignment Report Rules
 - Paper Size:A4
 - Word Count:1500 words
 - Line Spacing:1.5
 - Printing Margin:1 inch on LHS and RHS
 - Binding Margin:½ inch
 - Header and Footer:1 inch

- Printing: Single-sided
- Basic Font Size:12pt
- Heading:16pt
- Sub-headings:14pt, Bold
- Body:12pt, Justified Aligned
- Font Style: Times New Roman/Calibri.