

**HKBK College of Engineering**  
**Dept. of Information Science and Engineering**

<b>DBMS LABORATORY WITH MINI PROJECT</b> <b>(Effective from the academic year 2018 -2019)</b> <b>SEMESTER – V</b>			
<b>Course Code</b>	<b>18CSL58</b>	<b>CIE Marks</b>	<b>40</b>
<b>Number of Contact Hours/Week</b>	<b>0:2:2</b>	<b>SEE Marks</b>	<b>60</b>
<b>Total Number of Lab Contact Hours</b>	<b>36</b>	<b>Exam Hours</b>	<b>03</b>
<b>Credits – 2</b>			
<b>Course Learning Objectives:</b> This course (18CSL58) will enable students to:			
<ul style="list-style-type: none"> <li>Foundation knowledge in database concepts, technology and practice to groom students into well-informed database application developers.</li> <li>Strong practice in SQL programming through a variety of database problems.</li> <li>Develop database applications using front-end tools and back-end DBMS.</li> </ul>			
<b>Descriptions (if any):</b>			
<b>PART-A: SQL Programming (Max. Exam Mks. 50)</b> <ul style="list-style-type: none"> <li>Design, develop, and implement the specified queries for the following problems using Oracle, MySQL, MS SQL Server, or any other DBMS under LINUX/Windows environment.</li> <li>Create Schema and insert at least 5 records for each table. Add appropriate database constraints.</li> </ul>			
3.	Consider the schema for Movie Database: ACTOR(Act_id, Act_Name, Act_Gender) DIRECTOR(Dir_id, Dir_Name, Dir_Phone) MOVIES(Mov_id, Mov_Title, Mov_Year, Mov_Lang, Dir_id) MOVIE_CAST(Act_id, Mov_id, Role) RATING(Mov_id, Rev_Stars) Write SQL queries to <ol style="list-style-type: none"> <li>List the titles of all movies directed by 'Hitchcock'.</li> <li>Find the movie names where one or more actors acted in two or more movies.</li> <li>List all actors who acted in a movie before 2000 and also in a movie after 2015 (use JOIN operation).</li> <li>Find the title of movies and number of stars for each movie that has at least one rating and find the highest number of stars that movie received. Sort the result by movie title.</li> <li>Update rating of all movies directed by 'Steven Spielberg' to 5.</li> </ol>		

# More Dbms Lab Manual Vtu

**Rosina Ehmman**



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