 *DEPARTMENT OF COMPUTER ENGINEERING* Experiment No: 1

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| Semester | S.E. Semester IV – Computer Engineering |
| Subject | Database Management Systems Laboratory. |
| Lectures Professor In-charge | Prof. Suja Jayachandran |
| Practicals Professor In-Charge | Prof. Suja Jayachandran |
| Laboratory number | M312 |

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| Roll Number | 21102A0014 | | |
| Grade |  | Teacher’s Signature |  |

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| Experiment No: | 7 | |
| Experiment Title | String and date operation | |
| Resources / Apparatus Required | Hardware:  PC | Software:  PostgreSQL |
| Objectives  (Skill Set / Knowledge Tested / Imparted) | 1)To Study string and date operation | |
| Historical Profile |  | |
| Theory | String operations:  Concatenation: combining two or more strings together, for example, combining a first name and a last name to form a full name.  Substring: extracting a portion of a string based on its position, for example, extracting the first three characters of a string.  Case conversion: converting a string to uppercase or lowercase, for example, converting all characters in a string to lowercase.  Date operations:  Date arithmetic: adding or subtracting a specific number of days, months, or years to/from a date, for example, adding 3 months to a date.  Date formatting: converting a date to a specific format, for example, converting a date from "YYYY-MM-DD" to "MM/DD/YYYY".  Date comparison: comparing two dates to see which one is earlier or later, for example, comparing the date of birth of two people to determine who is older. | |
| Implementation | 1)String operation %  Graphical user interface, text, application  Description automatically generated  2)string operation \_  Graphical user interface, application  Description automatically generated  3)date operation  Table  Description automatically generated  4)age increase salary question  Graphical user interface, text, application  Description automatically generated | |
| Conclusion | DBMS (Database Management System)date and string operation are used on data in a database for operation related to date and string | |
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