**GANPAT UNIVERSITY**

**U.V. PATEL COLLEGE OF ENGINEERING**

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**Practical File**

**Student Name: Sureja Dharmay Dineshchandra**

**Enrollment No: 17012011056**

**Subject Name: Theory Of Computation**

**Subject Code: 2CE501**

**Semester: B.Tech 6th Sem**

**Branch: Computer Engineering**

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| **Practicals** | | | | | | | |
| **Sr. No.** | **Practical Aim** | **Date**  **of Start** | **Date**  **of**  **Complete** | **Page Start** | **Page End** | **Sign** | **Grade / Marks** |
| **1** | Introduction of “VI” Editor with Commands and lex |  |  |  |  |  |  |
| **2** | Write a separate Lex programs |  |  |  |  |  |  |
| **3** | Write a Lex program to recognize identifiers in C |  |  |  |  |  |  |
| **4** | Write a lex program to count number of words, characters and lines from user input |  |  |  |  |  |  |
| **5** | Write Lex program for given questions. |  |  |  |  |  |  |
| **6** | Write a program to identify the word and change the case of each character of word (i.e if character in word is in lowercase then convert it to uppercase and if it is uppercase then convert to lowercase) |  |  |  |  |  |  |
| **7** | Given NFA for (11+110)\*0 . Write a program to find δ\* (q0, 110) and δ\* (q0, 11) |  |  |  |  |  |  |

**CERTIFICATE**

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**T O W H O M S O E V E R I T**  **M A Y C O N C E R N**

This is to certify that Mr. **Sureja Dharmay Dineshchandra** a student of **B.Tech Semester V Computer Engineering** with Enrollment No. **17012011056** of **6th CE** Class has satisfactorily completed the course and submitted the term work of **Theory of Computation(2CE601)** satisfactorily for the fulfillment of semester end examination.

**Date of Submission:**

**Subject Teacher Head of the Department**