**M.Sc C.S - I**

**SEM II**

**E-Journal**

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| **Roll No.** | 027 |
| **Name** | OJHA ABHISHEK DEVMANI |
| **Subject** | DESIGN AND IMPLEMENTATION OF MODERN COMPILER |



CERTIFICATE

This is here to certify that Mr. **OJHA ABHISHEK DEVMANI**, Seat Number **027** of M.Sc. I Computer Science, has satisfactorily completed the required number of experiments prescribed by the UNIVERSITY OF MUMBAI during the academic year 2021 – 2022.

Date: 28-03-2022

Place:Mumbai

Teacher In-Charge Head of Department

External Examiner

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| **Sr. No.** | **Practical Name** | **Date** |
| **1** | Write a program to accept a string and validate using NFA. | 13th Jan 2022 |
| **2** | Write a program to minimize given DFA | 08th Jan 2022 |
| **3** | Write a program to construct DFA using given regular expression. | 10th Jan 2022 |
| **4** | Write a program to construct NFA from given regular expression. | 15th Jan 2022 |
| **5** | Write a program to check the syntax of looping statements in Python language | 10th Mar 2022 |
| **6** | Write a program to illustrate the generation on SPM for the input grammar. | 18th Mar 2022 |
| **7** | Write a program to illustrate the generation on OPM for the input operator grammar. | 20th Mar 2022 |
| **8** | Write a code to generate the DAG for the input arithmetic expression. | 28th Mar 2022 |
| **9** | Write a program to demonstrate loop unrolling and loop splitting for the given code  sequence containing loop. | 28th Mar 2022 |