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

**SEM II**

**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 **THAKUR COLLEGE OF SCIENCE & COMMERCE AUTONOMOUS COLLEGE, PERMANENTLY AFFILIATED TO 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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| **1** | Write a program to accept a string and validate using NFA. | 01-07 | 13th Jan 2022 |
| **2** | Write a program to minimize given DFA | 08-17 | 08th Jan 2022 |
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| **4** | Write a program to construct NFA from given regular expression. | 21-33 | 15th Jan 2022 |
| **5** | Write a program to check the syntax of looping statements in Python language | 34-39 | 10th Mar 2022 |
| **6** | Write a program to illustrate the generation on SPM for the input grammar. | 40-44 | 18th Mar 2022 |
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| **8** | Write a code to generate the DAG for the input arithmetic expression. | 51-58 | 28th Mar 2022 |
| **9** | Write a program to demonstrate loop unrolling and loop splitting for the given code  sequence containing loop. | 59-63 | 28th Mar 2022 |

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