

**M.Sc C.S - I**  
**SEM II**  
**E-Journal**

<b>Roll No.</b>	027
<b>Name</b>	OJHA ABHISHEK DEVMANI
<b>Subject</b>	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

# INDEX

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