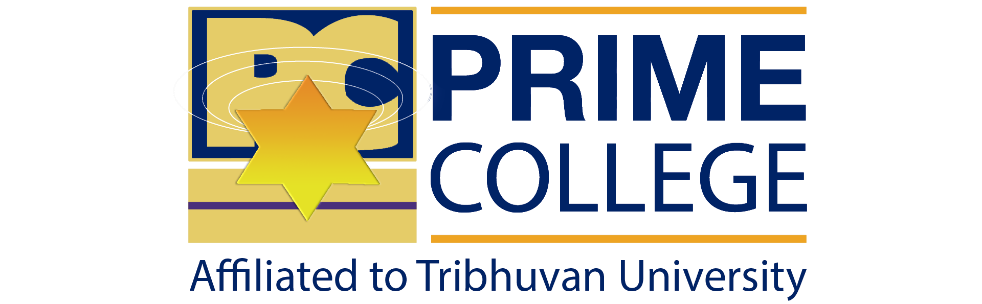
**PRIME COLLEGE**

Khusibun, Kathmandu



**LAB REPORT**

**OF**

**Compiler Design and Construction**

**(CSC- 365)**

**Submitted by: Submitted to:**

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Symbol No.: 25956/077

Faculty: BSc.CSIT (6th Sem)

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| --- | --- | --- | --- |
| **Lab** | **Title/Question** | **Submission Date** | **Signature** |
| 1 | 1. WAP to check whether the input is digit. 2. WAP to identify tokens. |  |  |
| 2 | WAP in C to implement DFA that accepts string:   1. baab 2. abba |  |  |
| 3 | 1. WAP to check valid identifier 2. WAP to check valid comment. |  |  |
| 4 | WAP to count number of operators used in given input: a=b+c\*d |  |  |
| 5 | 1. WAP to find the first of given grammar:   S -> L+R  S -> R  L -> \*R  L -> a  R -> L   1. Write a program to find the follow of the given grammar   R-> aS  R-> (R)S  R-> +RS  R -> aRS  S -> aS |  |  |
| 6 | WAP for constructing LL(1) parser. |  |  |
| 7 | Write a program to implement Shift Reduce Parsing  E->E+E  E->E/E  E->E\*E  E->a/b  Input symbol: a+b+a |  |  |
| 8 | Write a program to implement intermediate code generation: X=a+b-c\*d/e |  |  |
| 9 | Write a program to implement machine code generation |  |  |

**INDEX**