**Vishwakarma Institute of Information Technology, Pune-48**

**Department of Computer Engineering**

2 Aug 2020

**TY BTech Pattern 2018**

**Language Processor and Compiler Construction (LPCC) Lab**

**List of Assignments**

Note: Students can implement the following assignments using LEX/YACC, C/C++, JAVA, Python)

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| --- | --- | --- | --- |
| **S#** | **Details** | **Start Date** | **End Date** |
| 1 | Generate Symbol table, Literal table, Pool table & Intermediate code of a two-pass Assembler for the given source code. | 17 Aug 2020 | 5 Sept 2020 |
| 2 | Design suitable data structures & implement pass-I of a two-pass Macro processor. | 7 Sept 2020 | 19 Sept 2020 |
| 3 | Write a program to implement a lexical analyzer for parts of speech. Using LEX. | 21 Sept 2020 | 26 Sept 2020 |
| 4 | Write a program to evaluate an arithmetic expression, built-in functions, and variables using YACC specification. | 28 Sept 2020 | 3 Oct 2020 |
| 5 | Write a program to generate three address code for the simple expression. | 5 Oct 2020 | 10 Oct 2020 |

**Manisha Mali**

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**Mrs. N. S. Wasatkar**

**Mrs. N. S. Bhirud**