**SardarVallabhbhai Patel Institute of Technology- Vasad.**

**Practical List : DCDR(2161603)**

**AcademiYear : 2018-2019**

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| **Practical No.** | **Practical Name** |
| 1 | Write a program to get frequency count of all symbols in a file |
| 2 | W.A.P. To calculate self information and entropy if probabilities are given |
| 3 | W.A.P. To calculate average length if probabilities and codes are given. |
| 4 | Implement Huffman Algorithm to generate code when symbol and probabilities are given. |
| 5 | Implementation of Adaptive Huffman Algorithm |
| 6 | Implementation of Arithmetic Algorithm |
| 7 | Implementation of LZ77 Algorithm |
| 8 | Implementation of LZ78 Algorithm |
| 9 | Implementation of JPEG Algorithm |
| 10 | Write a program to find tokens from files and eliminate stop words. |
|  | **Beyond Syllabus** |
|  | Design an open ended program using java api for compression and decompression to realize the use of Java API in data compression as whole. |

Swati D. Bendale Prof. Nisha Shah

Course Coordinator I/c Head of Department

Information Technology