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| **Lab Code** | FEL204 | **Lab Name** | **C Programming** |
| **Academic Year** | 2020-21 | **Semester** | II |
| **Class** | FE15 | **Course Incharge** | Shwetambari Borade |

**Laboratory Outcomes (LO)**

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| **LO No.** | **LO Statement** (At the end of the course, students will be able to …) | **BL** |
| 1 | Demonstrate the use operators in C | 3 |
| 2 | Implement Conditional Statements in C | 3 |
| 3 | Implement Looping constructs in C | 3 |
| 4 | Decompose a problem into functions and synthesize a complete program. | 3 |
| 5 | Solve given problem using C data type like array and strings | 3 |
| 6 | Illustrate the concept of structures and pointers | 3 |

**List of Experiments**

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| **Sr. No.** | **Title** | **LO** | **PSO** | **PI** |
| **1** | Program for operators in C. | 1 | 1 | 1.1.1, 1.4.1, |
| **2** | Program for if-else structure. | 2 | 1 | 1.1.1, 1.4.1 |
| **3** | Program for else-if ladder. | 2 | 1 | 1.1.1, 1.4.1 |
| **4** | Program for switch-case. | 2 | 1 | 1.1.1, 1.4.1 |
| **5** | Program for while loop. | 3 | 1 | 1.1.1, 1.4.1 |
| **6** | Program for do-while loop. | 3 | 1 | 1.1.1, 1.4.1 |
| **7** | Program to implement for-loop | 3 | 1 | 1.1.1, 1.4.1 |
| **8** | Program for nested for-loop. | 3 | 1 | 1.1.1, 1.4.1 |
| **9** | Program for passing simple parameters to function. | 4 | 1 | 1.1.1, 1.4.1, 2.1.1, 2.2.3 |
| **10** | Program for recursive function. | 4 | 1 | 1.1.1, 1.4.1, 2.1.1, 2.2.3 |
| **11** | Program for one-dimensional array. | 5 | 1 | 1.1.1, 1.4.1 |
| **12** | Program for passing one-dimensional array to function. | 4, 5 | 1 | 1.1.1, 1.4.1, 2.1.1, 2.2.3 |
| **13** | Program for multi (two) dimensional array. | 5 | 1 | 1.1.1, 1.4.1 |
| **14** | Program for passing multi-dimensional array to function. | 4,5 | 1 | 1.1.1, 1.4.1, 2.1.1, 2.2.3 |
| **15** | Program for character array. | 5 | 1 | 1.1.1, 1.4.1 |
| **16** | Program for passing character array to function. | 4,5 | 1 | 1.1.1, 1.4.1, 2.1.1, 2.2.3 |
| **17** | Program for structure. | 6 | 1 | 1.1.1, 1.4.1, 2.1.1, 2.2.3 |
| **18** | Program for passing structure to function | 4,6 | 1 | 1.1.1, 1.4.1, 2.1.1, 2.2.3 |
| **19** | Program for pointer and function. | 4, 6 | 1 | 1.1.1, 1.4.1, 2.1.1, 2.2.3 |
| **20** | Program for array and pointers. | 5, 6 | 1 | 1.1.1, 1.4.1 |

**Name:** Ms. Shwetambari Borade **Signature:**

**Date:**