**Meeting Proceedings of Course Instructor and Course Coordinator (CICC)**

Academic Year: **2024-25 (Even Semester)** Date of Meeting: 25/1/2025

|  |  |  |
| --- | --- | --- |
|  | **Course Details:** | |
| Course Title : **Advanced Python Programming Laboratory** | | Course Code: BISPL4172 |
| No. of Practical Hrs./ Week : 04 | | Course Area: ISE |
| Total No. of Practical Hrs. : 50 | | CIE Marks : 50 |
| Exam Hours : 02 | | SEE Marks : 50 |

|  |  |  |
| --- | --- | --- |
| **II)** | **Course Instructor/s:** | **Course Coordinator:** |
| 1. | **Dr Vidyashree K P**  **Prof. Aishwarya T**  **Prof. Rashmi S**  **Prof. Shivani T J** | **Dr. Vidyashree K P** |

|  |  |
| --- | --- |
| **III)** | **Course Outcomes (CO)** |

Upon successful completion of this course, students should be able to

|  |  |  |
| --- | --- | --- |
| **CO1** | Apply and demonstrate the usage of various programming constructs | L3 |
| **CO2** | Design and Develop applications to solve problems across various technical and real-world domains | L4 |
| **CO3** | Explore various programming tools and techniques in a team | L3 |

|  |  |
| --- | --- |
| **IV)** | **CO – PO and CO – PSO Relevance** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CO** | **PO** | | | | | | | | | | | | **PSO** | | | |
| **PO1** | **PO2** | **PO3** | **PO4** | **PO5** | **PO6** | **PO7** | **PO8** | **PO9** | **PO10** | **PO11** | **PO12** | **PSO1** | **PSO2** | **PSO3** | **PSO4** |
| *CO1* |  |  | 2 |  |  |  |  |  |  |  |  |  |  | 2 |  |  |
| *CO2* |  |  | 2 |  |  |  |  |  |  |  |  |  |  | 2 |  |  |
| *CO3* |  |  |  |  | 2 |  |  |  |  |  |  |  |  | 2 |  |  |
| ***CO*** |  |  | **2** |  | 2 |  |  |  |  |  |  |  |  | **2** |  |  |

|  |  |  |
| --- | --- | --- |
| **V)** | **Course Delivery Plan** | |
| Lab programs:   1. Briefing of concepts required to lab programs 2. Explain the solution structure 3. Partial implementation of solution from the faculty, complete implementation of solution by students   Open Ended Experiments:   1. Open Ended experiments must be carried out in a team of two (preferably). 2. The student can choose to solve any one open-ended problem to illustrate python application in the domains specified below using various python packages. 3. Excel file handling 4. PDF/word file manipulation 5. Web Scraping. | | |
| **VI)** | | **Assessment:** |

1. **CIE Assessment Pattern:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Components** | | **Weightage** | **Max. Marks** |
| (i) | Lab Test (A) | 50% | 25 |
| (ii) | Continuous Evaluation(B) | 30% | 15 |
| (iii) | Open Ended Experiments (C) | 20% | 10 |
| **Total Marks** | | | **50** |

1. **Assessment criteria:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Assessment Criteria** | | | **Timeline** | **Weightage** | **Max. Marks** |
| **(I)** | | **Lab Test (A)** |  |  |  |
| (i) | Lab Test 1 and 2 | | During 5th and 10th Week | 40% | 20 |
| (iii) | Viva Voce on all experiments | | During Lab Test | 10% | 05 |
| **(II)** | | **Continuous Evaluation(B)** |  |  |  |
| (i) | | Regular lab work – Execution/Viva | Every Week | 10% | 5 |
| (ii) | | Attendance | Every Week | 10% | 5 |
| (ii) | | Lab Record | Every Week | 10% | 5 |
| **(III)** | | **Open Ended Experiments (C)** | During 11th Week | 20% | 10 |
| **Total Marks** | | | | | **50** |

**ii) Assessment Rubrics for Open Ended Experiments:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PO5 Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations | | | | |
| **Focus Area** | **Parameter** | **Excellent** | **Average** | **Fair** |
| **61-100% Mark** | **31%-60% Marks** | **10%-30% Marks** |
| **Use of Engineering Tools** | Understand and Identify Tools | Able to correctly describe and explain the principles behind the use of engineering tools.  Selecting the appropriate or multiple tools and/or techniques with consideration to the applicability to given engineering problem. | Ability to identify and explain the use of engineering tools.  Selecting the appropriate tools and/or techniques for an engineering problem. | Ability to identify and explain the use of engineering tools.  Able to select a tool and/or technique to facilitate problem solving. |
| Apply and Create Tools | Demonstrates skillful ability to use models, techniques and software in solving / analyzing engineering problems  Creating tools and evaluating their limitations with proper assumptions | Demonstrates ability to use models, techniques and software in solving / analyzing engineering problems.  Understands the limitations of the selected tools. | Demonstrates an ability to use models,techniques and software in solving / analyzing engineering problems. |

|  |  |
| --- | --- |
| **VII** | **Targets for CO Attainment (CIE ):** |

|  |  |  |
| --- | --- | --- |
| **CO** | **Target (% of Marks)** | |
| **CIE** | **SEE** |
| CO1 | 50 | 50 |
| CO2 | 50 | 50 |

|  |  |
| --- | --- |
| **Attainment criteria** | **Attainment level** |
| 50% of students scoring more than set target | 1 |
| 60% of students scoring more than set target | 2 |
| 70% of students scoring more than set target | 3 |

**Course Instructors** **Course Coordinator**

Dr Vidyashree K P **Dr Vidyashree K P**

Prof. Aishwarya T

Prof. Rashmi S

Prof. Shivani T J

**PAC Coordinator BOS Member Secretary**

**HOD**

Dr. Ravikumar V