|  |  |  |
| --- | --- | --- |
| **Assignment 1** | **Date of release** | **Date of submission** |
|  | **20/7/2023** | **27/7/2023** |
| Activity: Apply concept of process framework to design your own process to make your academic day efficient and effective. W.R.T the problem identify the activities, actions, and task set.  Reference – Software Engineering by Pressman, e-resources. | | |

**Division A**

|  |  |  |
| --- | --- | --- |
| **Assignment 2** | **Date of release** | **Date of submission** |
|  | **27/07/2023** | **3/08/2023** |
| 1. List minimum 50 existing digital platforms (eg. Ola, Olx, etc)  2. Provide three examples of software projects that would be amenable to the incremental model. Be specific.  3. Read and write a single page write up (maximum 200 words) that discusses the impact of “chaos” on software engineering.  Reference – Chapter 1,2,3 Software Engineering, Pressman edition 5th onwards. | | |

|  |  |  |
| --- | --- | --- |
| **Assignment 3** | **Date of release** | **Date of submission** |
|  | **03/08/2023** | **10/08/2023** |
| Do research to understand concept of LC/NC (low code or no code) and prepare a short report max 300 words to cover following:   * It’s impact on LOC estimation. * Suggest parameters to be considered for size estimation in LC/NC. | | |

|  |  |  |
| --- | --- | --- |
| **Assignment 4** | **Date of release** | **Date of submission** |
|  | **10/08/2023** | **17/08/2023** |
| Do research to understand concept of LC/NC (low code or no code) and prepare a short report max 300 words to cover following:   * It’s impact on LOC estimation. * Suggest parameters to be considered for size estimation in LC/NC. | | |

|  |  |  |
| --- | --- | --- |
| **Assignment 5** | **Date of release** | **Date of submission** |
|  | **17/08/2023** | **24/08/2023** |
| Draw Context diagram and elaborate it to further level, as per your understanding for the given scenario of Assignment Management System. Every week faculty release the assignment with submission date, students need to submit assignment on the submission date. Faculty grades the assignment and return it to students. Report of submission for class and individual student need to be generated. | | |

|  |  |  |
| --- | --- | --- |
| **Assignment 6** | **Date of release** | **Date of submission** |
|  | **24/08/2023** | **31/08/2023** |
| In brief specify the need of different UML diagrams and its notations | | |

|  |  |  |
| --- | --- | --- |
| **Assignment 7** | **Date of release** | **Date of submission** |
|  | **31/08/2023** | **07/09/2023** |
| Give 5 examples of good and bad design you have come across. Justify | | |

|  |  |  |
| --- | --- | --- |
| **Assignment 8** | **Date of release** | **Date of submission** |
|  | **07/09/2023** | **14/09/2023** |
| Why high cohesion and low coupling is desirable in design? | | |

|  |  |  |
| --- | --- | --- |
| **Assignment 9** | **Date of release** | **Date of submission** |
|  | **14/09/2023** | **21/09/2023** |
| How important is architecture in software design | | |

|  |  |  |
| --- | --- | --- |
| **Assignment 10** | **Date of release** | **Date of submission** |
|  | **21/09/2023** | **28/09/2023** |
| Identify risks for your carrier and prepare RMMM plan | | |

|  |  |  |
| --- | --- | --- |
| **Assignment 11** | **Date of release** | **Date of submission** |
|  | **28/09/2023** | **05/10/2023** |
| Discuss the reasons for baseline in SCM in your own words. | | |

**Dr.Sachin Bojewar**