LOVELY PROFESSIONAL UNIVERSITY

Academic Task No. 3

School of Computer Application **Faculty of Technology and Sciences**

Name of the faculty member Sarabjit Kumar

Course Code: CAP437 **Course Title: Software Engineering Practices**

Program: MCA **Term: 121221**

Max. Marks: 30 **Is Rubric Applicable: NA**

Date of Allotment: 3-December-2021 **Date of Submission: 13-December-2021**

Important Guidelines:

1. All questions in this Academic Task are compulsory.

2. It is mandatory to attempt all questions of the assignment in your own handwriting on A4 size sheets/pages with a blue colour ink pen. Any other mode of attempt (typed or printed codes or table) except hand written/drawn will not be accepted/considered as valid submission(s) under any circumstances.

3. Every attempted sheet/page should carry clear details of student such as Name, Registration number, Roll number, Question number and Page number. The page numbers should be written clearly on the bottom of every attempted sheet in a prescribed format as: for page 1; **Page 1 of 4**, for page 2; **Page 2 of 4**, for page 3; **Page 3 of 4** and for page 4; **Page 4 of 4**, in case your assignment/document is of 4 pages.

4. After attempting the answer(s), student needs to take photograph of each of these answer sheets/pages and needs to convert the **jpeg** format images into a sequential single **pdf** format document (can be done with many free online available converters).

5. This PDF file should be uploaded onto the UMS interface on or before the last date of the submission.

6. Refrain from indulging into plagiarism as copy cases will be marked zero.

Q 1. Design a SRS (Software Requirement Specification) Document for a problem area of your choice by using IEEE-830 standard template. (Ensure your problem statement is not matching with any other student) [15 Marks]

Q 2. Enlist the major functionalities of E-Commerce platform like amazon.com, flipkart.com, jabong.com, myntra.com, snapdeal.com and design test cases to implement behavioral test of any five functionalities? [10 Marks]

Q 3. Write a technical article on white box testing and its methods? [5 Marks]