Assignment Guidelines :

**Problem Statement**

*Examine* Software Quality Engineering Framework/ Software Testing tools /Software Testing Methods/QA strategies compare them and derive conclusion

**Description**

Your research activity must provide unambiguous results of comparisons; for that purpose a thorough research in respective software quality engineering or testing is required.

**Constraints**

* Research Report should have same format as *IEEE format for research paper*. (Template is attached)
* 0-15% plagiarism is Allowed.
* Should include at least 20 research papers (from 2017 & above)
* A doc file should be converted to pdf before submission.
* The length of paper should be 8 pages or above.

**Deliverables**

* Fill Data required form (Attached)
* Assignment Submission Link: latest by **June 325, 2022**. You can work in groups of 4.
* The rubric sheet (attached) will serve as the title page of your report.

**Topic Suggestions (You can choose other Topic of your choice as well)**

* Classification of software testing tools based on the software testing methods
* Comparative study of automated testing tools:
* Software Automation & Machine Learning Framework
* Metrics for measuring the effectiveness of software-testing tools
* Machine learning frameworks for automated software testing tools: a study
* Linking software testing results with a machine learning approach
* Metrics in software quality assurance
* Survey on impact of software metrics on software quality
* Software measurement and software metrics in software quality
* Software quality models: A comparative study
* Comparative study of soft computing techniques for software quality model
* Software quality and agile methods
* An introduction to modern software quality assurance
* Operational profiles in software-reliability engineering
* Software reliability engineering models