

Software Engineering Craftsmanship Program

NextGen Pune

Phase I – Evaluation Process

There will be a number of evaluation points during this 4 week program. This document summarizes the evaluation process and data values.

Self-Evaluation

At the start of the program, each student will complete a self-evaluation they will rate themselves on a scale of 1 (low) thru 5 (high) on these criteria:

- Leadership
- Communication Skills
- Technical Expertise
- Security Awareness
- Presentation Skills

They will repeat this self-evaluation at the end of the program.

Individual Skills Evaluation

During the program there will both a hands-on lab and quiz for each of the 21 topics listed in the program outline.

Each student will be evaluated on the hands-on labs using the following ratings:

- Exceptional
- Good
- Average
- Needs Improvement

The quiz associated with each topic will result in a score ranging between 0% and 100%.

Instructor Overall Evaluation

The instructor will keep a running evaluation for each student, factors effecting this evaluation include:

- On-time attendance
- Class participation
- Professional conduct in class
- Team participation
- Coding effort during labs

Team Evaluation

The students will be grouped into teams to work on the capstone project. Each team will make a 30 minute presentation to the class on each Friday followed by a short question/answer session, the 4 presentations are focused as follows:

- Vision Document and Use Case Model
- Design Model
- Implementation Model
- Test Plan

The students from the other teams will evaluate the team presentation and team project on the following criteria:

- Technical Design and Implementation
- Security Design and Implementation
- Functional Design and Implementation
- Presentation Skills

The Team evaluation ratings will be:

- Exceptional
- Good
- Average
- Needs Improvement
- Not Applicable

In addition each week team members will evaluate the other members in their team, using the criteria and ratings shown above.

Individual Student Evaluation Summary

Each student will have the following evaluations by the end of the program:

- 2 self-evaluations at the start and end of the program
- 21 lab evaluations
- 21 topic quizzes
- 4 team presentation evaluations
- 4 weeks of team member evaluations
- Instructor evaluation

Post Program Evaluation Summary

After the program ends, the Instructor will provide a summary evaluation for each student, in addition the raw evaluation data will be made available in a format to be defined.