

## Appendix 1: Requirement analysis

### Requirement list

The needs, conditions and regulations that need to meet for the new product or system is requirements. Analyzed requirements are given below.

### Functional requirements:

Functional requirements are the activities or work that the system needs to perform.

The functional requirements of the system are-

1. All type of user must need to log-in to enter the system and get their individual dashboard according to their accessibility.
2. System administer must can manage (add, delete update) user information with user name and password. For example, QA manager, QA coordinator, and student information.
3. System administer must can handles, appoints user roles and their accessibility. For example, QA Manager, QA Coordinator, Student etc.
4. System administer must can add or delete departments.
5. System administer must can appoint students to a department.
6. System administer must can assign closure dates for academic year.
7. QA manager could update his/her details. `
8. QA manager must can add category.
9. QA manager must can delete unused category.
10. QA manager must can view all the ideas and all comments.

11. QA manager must can download contribution in a zip files.
12. QA Coordinator could can update his/her details.
13. QA Coordinator must can access his/her category only.
14. QA Coordinator must approve or reject submitted ideas.
15. QA Coordinator could disable student to participate submitting and commenting on ideas.
16. Student must can submit ideas.
17. Student must can upload optionally document to support their ideas.
18. Student must can view of his/her own submitted ideas.
19. Student could view number of ideas at category wise.
20. Student must accept term and condition before submitting ideas.
21. ideas and comment should be submitted anonymously.
22. Anonymous idea should be investigated.
23. All staff (QA manager, QA coordinator, other) and student must can give thumbs up and thumbs down on submitted ideas.
24. student and staff (QA manager, QA coordinator, other can) must can comment on ideas until final closure date.
25. Staff comments are visible to staff only.
26. Student comments must visible to both staff and student.
27. All staff should view statistical analysis. For example, Most Viewed Ideas, Latest Ideas and Latest Comments.
28. System must notify by emails to the author of the ideas when commenting on the ideas by a student but not staff.

29. System must notify QA Coordinator by emails when ideas will submit to the department.

### Non-functional requirement

1. Must be responsive user interface.
2. All password should be encrypted.
3. List of ideas should be paginated (5 ideas per pages).
4. All report should be analyzed statistically.

### Moscow prioritization

Must have
<ol style="list-style-type: none"><li>1. All type of user must need to log-in to enter the system and get their individual dashboard according to their accessibility.</li><li>2. System administer must can manage (add, delete update) user information with user name and password. For example, QA manager, QA coordinator, and student information.</li><li>3. System administer must can handles, appoints user roles and their accessibility. For example, QA Manager, QA Coordinator, Student etc.</li><li>4. System administer must can add or delete departments.</li><li>5. System administer must can appoint students to a department.</li><li>6. System administer must can assign closure dates for academic year.</li><li>7. QA manager must can add category.</li></ol>

8. QA manager must can delete unused category.
9. QA manager must can view all the ideas and all comments.
10. QA manager must can download contribution in a zip files.
11. QA Coordinator must can access his/her category only.
12. QA Coordinator must approve or reject submitted ideas.
13. Student must can submit ideas.
14. Student must can upload optionally document to support their ideas.
15. Student must can view of his/her own submitted ideas.
16. All staff (QA manager, QA coordinator, other) and student must can give thumbs up and thumbs down on submitted ideas.
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18. Staff comments must visible to staff only.
19. Student comments must visible to both staff and student.
20. System must notify by emails to the author of the ideas when commenting on the ideas by a student but not staff.
21. System must notify QA Coordinator by emails when ideas will submit to the department.

#### **Should Have**

1. Student should view number of ideas at category wise.
2. ideas and comment should be submitted anonymously.
3. Anonymous idea should be investigated.

<p>4. All staff should view statistical analysis. For example, Most Viewed Ideas, Latest Ideas and Latest Comments.</p> <p>5. List of ideas should be paginated (5 ideas per pages).</p> <p>6. All password should be encrypted.</p>
<b>Could have</b>
<p>1. QA Coordinator could disable student to participate submitting and commenting on ideas.</p>
<b>Won't have</b>
<p>1. No social sharing option</p>