Automatic UML Evaluation Platform
Version 1.0

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- **Start Date:** 27-January-2012
- **End Date:** 20-April-2012

1 Objectives

To build an automatic evaluation system for Activity Diagrams

2 Functionalities

- Provide interactive interface to the students for giving test.
- Student can view the solution.
- Student can view the result.
- Student can give the test.
- Faculty can set the questions in activity diagram domain.
- Faculty can edit/create the question paper.
- Faculty can manage the test.
- Faculty can generate the results.
- Faculty can upload the answers.
- Admin can give access to faculty and students.

3 Deliverables

3.1

LIST OF FINAL DELIVERABLES:

- Complete documentation
- Report for audit
- User guide (includes deployment guide, end user guide)

3.2

MILESTONES

Table 1:

SL No	MILESTONE	DUE DATE
1	Submission of Use Case Diagram	27-January-2012
2	Study of XMI and its Structure.Finding basic questions in activity diagram domain	3-February-2012
3	Installing Visual Studio and Designing some screens	10-February-2012
4	Working on Compatability of .Net and XML, Implementation of some use cases	24-February-2012
5	Parsing of XMI files(obtained from Activity Diagrams submitted by the students)	16-March-2012
6	Complete implementation of all the functionalities	23-March-2012
7	Thorough Testing of website built	6-April-2012
8	Completion of project and submission of all the related documents	20-April-2012

4 Estimated Total Time

335 hours

5 Project Manager Resource requirement

Minimum H/W and S/W requirements
Platform used for the proposed system can be categorized into two parts

1. During development stage
    - Hardware used: Pentium 4 Processor, 20 GB Hard Disk Drive, 256 MB RAM.
    - Software Used: MySQL, ArgoUML,Microsoft Visual Studio .
2. At runtime environment
    - At Server Side
        - Hardware used: Pentium 4 Processor, 200 GB Hard Disk Drive, 512 MB RAM
        - Software Used: IIS Server, MySQL.

- At Client Side
  - Hardware: A PC with Internet/Intranet connectivity.
  - Software: Web browser

6 Technology/architecture

We will use .NET framework for building this system. We will follow MVC model.

In this system student will submit his/her answered activity diagram. It will be converted to XMI using AgroUML. This XMI along with stored XMI files will be parsed through XML parser. It will be matched. According to match student will be graded.

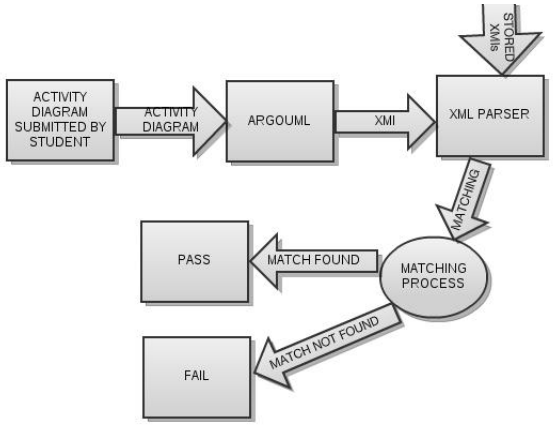

Figure 1: TECHNICAL ARCHITECTURE

7 Standard to be followed throughout the project

Not Known