

**H. N. G. University, Patan**  
**M.C.A (5 Years Integrated Programme) SEMESTER - X**  
**System Development Project-II**

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In this subject-head students have to do Information system development work and/or design work or software development work in any organization/ company/institute to gain industry experience.

The students will be assigned one or more system development projects. It will be an external project, with work duration of one (01) academic term [Full Semester]. The students have to start work on project after completion of the IX semester of 5th year. The students should have to do full time work i.e. at least 5 days per week with at least 5 hours per day.

Students may work in team (comprising not more than three) or individually to acquire hands-on skills in system development.

Following could be the possible alternatives for the projects.

1. Development of a system for IT / Computer Company or Institutional or Government Department.
2. Development of Hypothetical Application.
3. Analysis of work (Analytical or descriptive) Information project / system including cyber laws, standard, which may not include source coding.
4. Network designing and deployment. (may include less source coding as per nature of work)
5. Developing and / or designing a website or web scripting.

Project work should include all of the phases of system development life cycle. Like

- Analysis of a system
- Designing, Source Coding
- Documentation
- Implementation &
- Updating in system (if any)

The system development project evaluation divided into 1) internal marks 200 2) Industry marks 100 and 3) Final Viva / Presentation examination marks 400.

1. During the project work, Department will conduct presentations of progress of project at different stages. There will be 200 internal marks for progress reports. At least three progress report need to be conduct by the department. The organization / company may also give the grades as per his/her individual performance and progress in different stages of a project, which may be considered at the stage of internal evaluation by the internal experts penal of the Department.
2. After the completion of the system development project work, organization / company owner or project leader has to provide confirmation of work done (certificate of work completion) as well as Organization / Company marks (Industry marks) out of 100.
3. After the completion of a system development project, the University has to arrange Viva/Presentation examination, which will be of 300 marks. The examination Panel should include Academic Experts as well as Industry Experts. The experts will decide student's marks out of 300 as per his performance. Panel should contain at least 4 experts. The Viva/Presentation examination time for each group should be at least 40 minutes.