

{tag}

Conference X-PLORE 2014  
by IJCA Journal

{/tag}

IJCA Proceedings on National Level Technical  
© 2014

XPLORE 2014

Year of Publication: 2014

Authors:

Nayana N. Chintawar

Sachin A. Murab

{bibtex}xplore1414.bib{/bibtex}

## Abstract

Research has shown that adult learners can have a strong desire for knowledge for a self-directed and autonomous learning experience. This paper presents an evaluation of a self-learning approach to supporting self-directed learning employed in a graduate-level Web application design and development course. This approach allows students to define and develop semester-long team projects in an independent fashion according to their interest and suitable timing including the definition of their own grading metric and the evaluation of themselves against the measure. This paper presents the results of all the survey on student opinion of the self-directed learning approach and an evaluation of grades. Study results indicate that the self-directed learning approach used in the course was quite successful in providing adult

students with an autonomous and self-directed learning experience.

## Refer

## ences

- M. Knowles, Self-Directed Learning: A Guide for Learners and Teachers. New York: Association, 1975.
- ———, CA: Jossey-Bass Andragogy in Action: Applying Modern Principles of Adult Learning. San Francisco, 1984.
- ———, "Student-directed learning in a graduate software engineering Course," in Proc. 34th ASEE/IEEE Frontiers in Educ. Conf. Oct. 2004, pp. F2C9–F2C14.
- the International Journal of Self-Directed Learning (ISSN 1934-01)
- CO 138. International Journal of Self-Directed Learning College of Education, Florida Atlantic University.
- Core Servlets and Java server Pages, 2nd ed. Upper Saddle River, NJ: Prentice-Hall, 2004.
- ———, "Student-directed learning in a graduate software engineering Course," in Proc. 34th ASEE/IEEE Frontiers in Educ. Conf. , Oct. 2004, pp. F2C9–F2C14.
- H. J. C. Ellis, "Autonomous learning in on-line and traditional versions of a software engineering course," in Proc. 18th Annu. Conf. Software Engineering Educ. Training, Apr. 2005, pp. 69–76
- ———, "Student-directed learning in a graduate software engineering course," in Proc. 34th ASEE/IEEE Frontiers in Educ. Conf. , Oct. 2004, pp. F2C9–F2C14.
- H. J. C. Ellis, "An evaluation of learning in an online project-based web application design and development course," J. Compute. Sci. Colleges, vol. 21, no. 6, pp. 217–227, Jun. 2006.
- Criteria for Accrediting Engineering Programs, Effective for Evaluations During the 2005–2006 Accreditation Cycle. ABET. C001 05-06, Aug. 2006.

## Index Terms

Computer Science

Web Designing

## Keywords

Web Application   Project Course   Self-directed Learning   Software Engineering Education

