Chapter 12
ERP Modules for Industry–Institute Interaction, Training and Placement, and Alumni Management

P. A. Khatwani
Sarvajanik College of Engineering Technology, India

K. S. Desai
Sarvajanik College of Engineering Technology, India

ABSTRACT
Industry-institute interaction, training, and placement are very important aspects to be considered while designing any system to improve the methodologies for the education sector. This chapter deals with the different modules related to industry institute management, training and placement, alumni database, and management to be covered while designing an ERP system for improving these most important areas for any academic institution. Some of the modules to be covered in industry-institute management are as follows: database of industries, industrial visits for enhancing knowledge of students as well as faculty, regular lectures from speakers from industry, providing technical training to staff from industry by means of workshop/seminar/small term courses, and providing technical/consultancy services to industry. Some of the modules to be covered in training and placement management are as follows: database of industries, vocational training to students for enhancing their knowledge, database of students and their academic performance, arrangement of programmes for soft skill development, guidance to students for written exam, group discussions, and personal interviews. Some of the modules to be covered in alumni management are as follows: database of alumni, networking of alumni, interaction with alumni for different issues like industrial visits, placement, guest lectures, institutional developments, etcetera.

DOI: 10.4018/978-1-4666-2193-0.ch012
INTRODUCTION

In recent years education has been strongly influenced by global trends, especially as a result of the call by governments for universities worldwide to improve their performance and efficiency. Rising expectations from Industry, quality and performance requirements, and competitive education environments demands the education sector to adopt new strategies in order to improve their performance. Establishing technology as a strategic resource for faculty, staff and students is imperative for education institutions to succeed in the 21st century. The implementation of the Enterprise Resource Planning (ERP) systems in the education sector hopes of helping them to cope with the changing environment.

The performance of any institution would be enhanced by the good placement of their students and therefore Industry Institute Interaction, Training and placement are the important aspects to be considered while designing any system to improve the methodologies for the education sector. Enterprise Resource Planning of Student, Institute and Industry Information Systems and Management (ERPSIIM) would give opportunities to improve efficiency and effectiveness in the area of Institute Industry Interaction and Training and Placement.

The different modules related to Industry Institute Interaction management, Training and Placement, Alumni database and management to be covered while designing an erpSIIM system for improving teaching methodologies in education are discussed in this chapter.

The main objective of the paper is to help the institution to enhance its name and fame in this competitive market, which is very well met on implementation of ERPSIIM by way of making the students more knowledge oriented resulting into more placements. Now-a-days, all the institutes are ranked on the basis of % of students placed per year and the salary packages offered to them. More placements and higher packages are mainly depending on the level of knowledge acquired by the students during the course of their studies. This will definitely be achieved by the institutions on development and implementation of ERP covering the contents highlighted in this chapter.

The inclusions of contents like placement, training and industry interaction in ERPSIIM also results into overall academic development of any institutions. Because if any institution will follow these 3 areas, then automatically the academic level of students will improve as follows:

- **Industry Interaction**: Students will interact with the technocrats from industry through visits.
- **Training**: Students will get the chance to work in industry to be familiar with the latest technology available in the industries.
- **Placement**: Encourages the students to keep themselves updated with the latest technological changes taken place in the industries.

The impacts and hence effects of the said ERP system can be best explained by the following flow chart (Figure 1).

BACKGROUND

Before going through the main modules of the Industry Interaction management, we would like to discuss the important aspects of ERP, planning in education and implementation of ERP in education and key to its success. To meet higher education challenges demanding huge amount of internal and external reporting and requires monitoring of day-to-day operations which consume lot of time leaving little time for policy making. Various modules and portals in ERP enable one to manage all functions of the enterprise (Gururao, n.d.).

**Strategic Planning in Education (Chang, 2008)**

A strategic plan in the education sector is the physical product of the strategic planning process