



**AN EXPLORATORY STUDY OF ENTERPRISE RESOURCE PLANNING
IMPLEMENTATION ISSUES IN MANUFACTURING AND SERVICE INDUSTRIES
OF NORTH-KARNATAKA**

Maheswar C Yalagi^{*1}, Dr. Channappa M Javalagi²

¹Asst. Prof, Department of Mechanical Engineering, SKSVMACET, Laxmeshwar,
Karnataka, India.

²Prof, Department of Industrial and Production Engineering, Basaveshwar Engineering
College, Bagalkot, Karnataka, India.

ABSTRACT

Globalization has literally transformed the way of carrying out business, industries irrespective of the nature and size are striving hard to sustain and stay ahead in the competition. Prior to globalization 5M's namely machines, materials, manpower, methods and measures constituted as the vital resources of any organization. With the advent of information technology another resource was included along with 5M's which is known as 'information'. Industries should be equipped with all these resources to stay in tune with the global competition and succeed in the same. As a result the industries are adopting different tools to keep abreast with technological advancements; one among them is Enterprise resource planning (ERP). ERP implementation project is much more than any IT project. ERP results in integration and automation of different business processes and provides a common database across the enterprise. It requires business process of an organization to be matched with the ERP package selected. A number of issues need to be focused during and after implementation for the success of the project. The main purpose of this study is to identify the parameters affecting ERP implementation project. An instrument (questionnaire) was developed and sent to manufacturing and service industries of North-Karnataka who have implemented ERP. A total of 232 responses were used for analysis and Exploratory Factor Analysis (EFA) SPSS 16.0 was used for data analysis which identified 7 factors crucial for ERP implementation.

Keywords: Globalization, Information Technology, Enterprise Resource Planning, Business Process, Database, Enterpris.