

A STUDY ON HEADLESS ERP USING APIS FOR CUSTOM WEB APPS

G. GOKUL¹*Student,**Department of Management
Annai College Arts and
Science kovilacheri ,India.***Dr. R. RAJKUMAR²***Director & Professor,
Department of Management,
Annai College of Arts and
science kovilacheri,India***K. VIMALANATHAN³***Assistant Professor,
Department of Management,
Annai College of Arts and
science kovilacheri ,India.***H. AYESHA TASNEEM⁴***Assistant Professor,
Department of
Management, Annai
College of Arts and
science kovilacheri ,India.***Abstract**

Enterprise Resource Planning (ERP) systems have traditionally served as the technological backbone of organizations by integrating core business processes such as finance, human resources, procurement, inventory, and customer relationships into a unified system through centralized databases and standardized workflows. These systems were originally designed as monolithic applications, where data storage, business logic, and user interfaces were tightly coupled. However, with the rapid advancement of cloud computing, application programming interfaces (APIs), microservices, and web-based technologies, enterprise software design has undergone significant transformation. Modern ERP solutions have evolved into modular, cloud-native platforms that expose functionalities through APIs, enabling greater flexibility and scalability. This evolution has led to the emergence of headless ERP architecture, which decouples the back-end system from the user interface layer, allowing organizations to build customized front-end experiences while maintaining robust and efficient backend operations.

Keywords : Headless ERP¹, Application Programming Interfaces (APIs)², Enterprise Resource Planning³, Cloud Computing⁴, Microservices Architecture⁵, Digital Transformation⁶, Custom Web Applications⁷, System Integration⁸