**Rajagiri School of Engineering and Technology(Autonomous)**

**Department of Computer Science & Business Systems**

**101009/IT522S ENTERPRISE SYSTEMS LAB**

**Lab cycle**

1. Set up and Configure **ERPNext (Open-Source ERP System)** and understand the functionalities of the ERP system. (CO1)
2. Design and implement a **Decision Support System (DSS)** for a grocery store to assist in inventory management. The DSS should analyse stock levels and sales data to recommend products that need to be restocked. Use Python to process the data and display the recommendations. (CO2)
3. Design and build a **basic Inventory Management System (IMS)**, then integrate a **Decision Support System (DSS)** to enhance its functionality. The IMS should allow users to manage product information, including stock and sales, while the DSS provides recommendations for restocking based on the data. (CO2 & CO3)
4. Deploy the **Inventory Management System (IMS) with the integrated DSS** to a cloud platform using Docker and Kubernetes. (CO3)
5. Enhance the **Inventory Management System (IMS)** with the **Decision Support System (DSS)** by implementing security, stability, and scalability features. (CO4)
6. Integrate the above **implemented IMS-DSS with an External Software System** (Mock API or Database) (CO5)