



# STANLEY

**COLLEGE OF ENGINEERING & TECHNOLOGY FOR WOMEN**  
( Approved by AICTE , New Delhi | Affiliated to Osmania University ,Hyderabad)  
Address : Chapel Road, Abids ,Hyderabad

**SE-569**

## **WEB ENGINEERING**

### **UNIT-I**

**Web Engineering:** Concepts and Reference Model

**Web Engineering:** Introduction and Perspectives, Web Engineering Resources Portal (WEP): A Reference Model and Guide

### **UNIT-II**

**Web Application Development:** Methodologies and Techniques, Web Application Development Methodologies, Relationship Analysis: A Technique to Enhance Systems Analysis for Web Development, Engineering Location-Based Services in the Web.

### **UNIT-III**

**Web Metrics and Quality:** Models and Methods.

Architectural Metrics for E-Commerce: A Balance between Rigor and Relevance, The eQual Approach to the Assessment of E-Commerce Quality: A Longitudinal Study of Internet Bookstores, Web Cost Estimation: An Introduction

### **UNIT-IV**

**Web Resource Management:** Models and Techniques. Ontology-Supported Web Content Management, Design Principles and Applications of XRML.

### **UNIT-V**

**Web Maintenance and Evolution:** Techniques and Methodologies. Program Transformations for Web Application Restructuring, The Requirements of Methodologies for Developing Web Applications. A Customer Analysis-Based Methodology for Improving Web Business Systems.

### **Suggested Readings:**

1. Woojong Suh, "*Web Engineering Principles and Techniques*", Idea Group Publications 2005.
2. Emilia Mendes, Nile Mosley(Eds.), "*Web Engineering*", Springer, 2006.