School of Computer Science Engineering and Artificial Intelligence

Course: **B.Tech**   Type: Professional Elective

Course Code: **23CS102PE405**   Course Name: **DEVOPS AND FULLSTACK**

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Instructor: **Dr. Mohammed Ali Shaik, Dr.R.Vijaya Prakash,**
            Dr.N.Venkatesh,Mr.Sudheer Kumar

Scenario: Student Marks Card (Using Props)

Scenario Description

You are building a **Student Marks Card** application where **student data is passed from a parent component to child components using props**.

Task Instructions

Component Structure

- App → Parent component
- StudentCard → Child component

Implementation Tasks

- Store student details (name, roll number, marks) in App.
- Pass data to StudentCard using props.
- Display received data inside the child component.

Bonus Challenge

- Calculate total and grade in the child component.
- Reuse the component for multiple students.

Expected Output

- Data displayed correctly using props.
- Clear parent–child data flow.
- Reusable components.