

# **PROJECT PRESENTATION**

**RESULT MANAGEMENT SYSTEM (WITH RANKING AND GPA)**

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# INTRODUCTION

- Purpose : Automate student result calculation
- Input: Name, Roll no. , Marks (5 subjects)
- Output: Total marks, percentage, GPA, Rank

# PROBLEM DEFINITION

- MANUAL RESULT IS TIME CONSUMING
- HIGH CHANCE OF HUMAN ERROR
- CHALLENGES IN PRESENTING RESULT CLEARLY
- DIFFICULT IN MANAGING MULTIPLE STUDENTS
- NEED FOR A STANDARDIZED GPA CALCULATION

# SYSTEM DESIGN

- Uses structure for student info and subject marks
- Calculate percentage and total marks
- Bubble sort for ranking
- Search student() for finding roll no.
- File output stored in RESULT.txt

# IMPLEMENTATION

- Written in C language
- Uses structure , loops, functions
- Key Function:
  - searchstudent()
  - sortbymarks()
  - assignranks()
- Create RESULT.txt file

# TESTING AND RESULT

- Tested with multiple students
- Tested tie cases
- verified total marks and percentage calculation
- Gives output in “RESULT.txt”

# CONCLUSION AND FUTURE WORK

## CONCLUSION

- System reduces error
- Automates ranking and GPA

## FUTURE WORK

- GUI interface
- Export to PDF / Excel
- Adding option to edit or update, delete student info