

Practical 13: Excel Student Result Management

Aim:-

To analyze student marks using Excel tools.

Objectives:

- To apply Excel formulas
- To create charts

Materials Required:

- MS Excel

Procedure:

1. Enter student data – Input students' names, marks, and other required details into the spreadsheet.
2. Use Flash Fill – Apply Flash Fill to automatically complete patterns such as separating names or formatting data.
3. Replace incorrect values – Identify errors and use Find & Replace or manual correction to fix inaccurate entries.
4. Calculate pass/fail using IF – Create an IF formula to determine whether each student passes or fails based on their score.
5. Use COUNTIF and AVERAGE – Apply COUNTIF to count specific results and AVERAGE to compute the class's mean score.
6. Create charts – Generate visual charts to represent student performance trends or score distributions.
7. Apply conditional formatting – Use color-based formatting to highlight important values, such as low scores or top performers.

Output:-

Student Data:

FileHomeWPS PDFInsertDrawPage LayoutFormulasDataReviewViewHelpAcrobat											
<div>Paste</div> <div>Clipboard</div>		<div>Aptos Narrow11A⁺A⁻</div> <div>BBIU[~]</div> <div>Font</div>		<div><div><div></div><div></div><div></div></div><div>Wrap Text</div></div> <div>Merge & Center</div> <div>Alignment</div>		<div>General</div> <div>\$%¶↶↷↸↹</div> <div>Number</div>		<div>Conditional Formatting</div> <div>Format as Table</div> <div>Cell Styles</div> <div>Insert</div> <div>Delete</div> <div>Format</div> <div>Cells</div>		<div>Σ↕↔↶↷↸↹</div> <div>Sort & Filter</div> <div>Editing</div>	
R9											
	A	B	C	D	E	F	G	H			
1	Student Name	First Name	Last Name	Roll No.	City	Subject1	Subject2	Subject3			
2	Rahul Sharma	Rahul	Sharma	RU-25-11588	Delhi	Physics	Chemistry	Mathematics			
3	Anjali Verma	Anjali	Verma	RU-25-11589	Mumbai	Physics	Chemistry	Mathematics			
4	Aman Gupta	Aman	Gupta	RU-25-11590	Jamshedpur	Physics	Chemistry	Mathematics			
5	Pooja Mehta	Pooja	Mehta	RU-25-11591	Bhilai	Physics	Chemistry	Mathematics			
6	Rohit Singh	Rohit	Singh	RU-25-11592	Raipur	Physics	Chemistry	Mathematics			
7	Sneha Patel	Sneha	Patel	RU-25-11593	Ahmedabad	Physics	Chemistry	Mathematics			
8	Karan Malhotra	Karan	Malhotra	RU-25-11594	Kolkata	Physics	Chemistry	Mathematics			
9	Neha Jain	Neha	Jain	RU-25-11595	Delhi	Physics	Chemistry	Mathematics			
10	Arjun Yadav	Arjun	Yadav	RU-25-11596	Patna	Physics	Chemistry	Mathematics			
11	Kavya Agarwal	Kavya	Agarwal	RU-25-11597	Jaipur	Physics	Chemistry	Mathematics			
12	Suresh Mishra	Suresh	Mishra	RU-25-11598	Lucknow	Physics	Chemistry	Mathematics			
13	Riya Choudhary	Riya	Choudhary	RU-25-11599	Jamshedpur	Physics	Chemistry	Mathematics			
14	Mohit Saxena	Mohit	Saxena	RU-25-11600	Kolkata	Physics	Chemistry	Mathematics			
15	Priya Kapoor	Priya	Kapoor	RU-25-11601	Delhi	Physics	Chemistry	Mathematics			
16	Nikhil Tiwari	Nikhil	Tiwari	RU-25-11602	Mumbai	Physics	Chemistry	Mathematics			
17											

Marks_analysis:

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Charts:-

