

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.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
FULL NAME	FIRST NAME	LAST NAME	CLASS	ROLL NO.	STATE	ENG. MARKS	PHY. MARKS	MATHS MARK	TOTAL MARK	AVERAGE	RESULT	NO.OF STUDENT PASS	NO.OF STUDENT FAIL	CLASS AVG(OVERALL)			
SHIVAM RAJ	SHIVAM	RAJ	9	1	BIHAR	15	45	43	103	34	FAIL	7	8	58			
RAHUL PASHARIYA	RAHUL	PASHARIYA	9	2	BHOJAL	57	47	46	150	50	PASS						
RAJNAR BHARDWAI	RAJNAR	BHARDWAI	9	3	SRI NAGAR	59	46	49	157	52	PASS						
ADITYA SINGH	ADITYA	SINGH	9	4	GOA	32	51	52	135	45	FAIL						
NTISH RAJAK	NTISH	RAJAK	9	5	CHHATTISGARH	65	53	55	173	57	PASS						
AMIT MANDAL	AMIT	MANDAL	9	6	BIHAR	65	55	55	175	58	PASS						
SHIVAM KUMAR	SHIVAM	KUMAR	9	7	BIHAR	67	33	61	161	54	FAIL						
RAJA SINGH	RAJA	SINGH	9	8	MUMBAI	69	59	64	192	64	PASS						
RANUT SINGH	RANUT	SINGH	9	9	UTTARAKHAND	29	61	67	157	52	FAIL						
RAJMAN SINGH	RAJMAN	SINGH	9	10	GOA	38	63	70	171	57	FAIL						
RAJU MEHTA	RAJU	MEHTA	9	11	INDIA	75	65	73	213	71	PASS						
ANAND KUMAR	ANAND	KUMAR	9	12	JAMMU & KASHMIR	77	67	76	220	73	PASS						
AKASH MAHATO	AKASH	MAHATO	9	13	GUJARAT	79	69	79	227	76	PASS						
ANKIT RAO	ANKIT	RAO	9	14	HARYANA	81	91	82	254	85	PASS						
SHURYA ROY	SHURYA	ROY	9	15	UTTAR PRADESH	83	38	85	206	69	FAIL						

FULL NAME	FIRST NAME	LAST NAME	CLASS	ROLL NO.	STATE	ENG. MARKS	PHY. MARKS	MATHS MARKS	TOTAL	AVERAGE	RESULT	NO.OF STUDENT PASS	NO.OF STUDENT FAIL	CLASS AVG(OVERALL)	MAX	MIN
SHIVAM RAJ	SHIVAM	RAJ	9	1	BIHAR	15	45	43	103	34	FAIL	7	8	58	227	103
RAHUL PASHARIYA	RAHUL	PASHARIYA	9	2	BHOJAL	57	47	46	150	50	PASS					
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