Practical No. 13

Aim: Excel Student Result Management
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.

Student_data

Full Name	First name	Last name	Roll No	Class	City	Subject1	Subject2	Subject3	Subject1 marks	Subject2 marks	Subject3 marks	Total	Pass/Fail
Aarav Sharma	Aarav	Sharma	101	1st Year	Mumbai	Physics	Mathematics	C Programming	46	100	99	245	pass
Vihaan Gupta	Vihaan	Gupta	102	1st Year	Delhi	Physics	Mathematics	Python	43	2	67	112	fail
Diya Patel	Diya	Patel	103	1st Year	Ahmedabad	Chemistry	Biology	English	92	98	98	288	pass
Arjun Singh	Arjun	Singh	104	1st Year	Jaipur	Physics	Chemistry	Mathematics	35	20	1	56	fail
Ananya Reddy	Ananya	Reddy	105	1st Year	Hyderabad	Computer Sci	Mathematics	Electronics	25	89	85	199	pass
Rohan Mehta	Rohan	Mehta	106	1st Year	Indore	Physics	Mathematics	C++	78	97	100	275	pass
Ishaan Verma	Ishaan	Verma	107	1st Year	Pune	Economics	Accounts	Business Std	48	47	45	140	pass
Sanya Iyer	Sanya	Iyer	108	1st Year	Chennai	Biology	Chemistry	Psychology	48	95	67	210	pass
Kabir Das	Kabir	Das	109	1st Year	Kolkata	History	Pol Science	Sociology	1	27	7	35	fail
Meera Joshi	Meera	Joshi	110	1st Year	Bangalore	Computer Sci	Mathematics	Data Science	100	100	98	298	pass
Aryan Malhotra	Aryan	Malhotra	111	1st Year	Chandigarh	Physics	Chemistry	Mathematics	76	37	54	167	pass
Kavya Nair	Kavya	Nair	112	1st Year	Kochi	English	Psychology	Sociology	90	90	75	255	pass
Dev Kumar	Dev	Kumar	113	1st Year	Patna	Physics	Mathematics	Java	48	51	0	99	fail
Riya Khan	Riya	Khan	114	1st Year	Lucknow	Chemistry	Biology	Biotechnology	10	92	99	201	pass
Aditya Rao	Aditya	Rao	115	1st Year	Mysore	Electronics	Mathematics	Physics	3	3	6	12	fail

Student belongs to delhi: 1

Marks_Analysis

Total	MAX	MIN	AVG
245	298	12	172.8
112			
288			
56			
199			
275			
140			
210			
35			
298			
167			
255			
99			
201			
12			

	A
1	Subject1 marks
2	46
3	43
4	92
5	35
6	25
7	78
8	48
9	48
10	1
11	100
12	76
13	90
14	48
15	10
16	3

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