

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

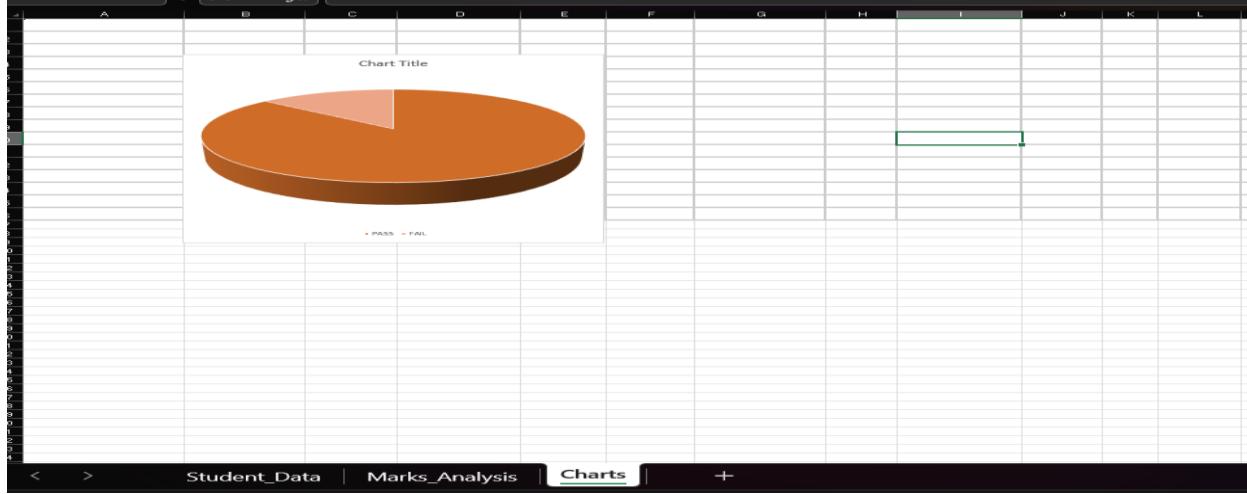
1. Enter student data – Input students' names, marks, and other required details into the spreadsheet.
2. Use Flash Fill – Apply Flash Fill to automatically complete patterns such as separating names or formatting data.
3. Replace incorrect values – Identify errors and use Find & Replace or manual correction 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	S
1	Column1	Column1	Column1	Column1	Column1	Column1	Column1	Column1	Column1	Column1	Column1	Column1	Column1	Column1	Column14	Column15	Column16	Column17	
2	Name	Roll No	Class	City	Subj1	Marks1	Subj2	Marks2	Subj3	Marks3	Total Marks	First Name	Last Name	Pass/Fail	COUNT				
3	Rahul Verma	1	9	Delhi	Math	78	Science	82	English	75	235	Rahul	Verma	Pass	3				
4	Neha Sharma	2	9	Jaipur	English	85	History	80	Science	88	253	Neha	Sharma	Pass					
5	Aman Khan	3	9	Lucknow	Math	90	Computer	92	Science	86	268	Aman	Khan	Pass					
6	Pooja Patel	4	9	Surat	Math	50	English	10	Hindi	40	100	Pooja	Patel	Fail					
7	Suresh Das	5	9	Delhi	Science	88	Math	84	Geography	79	251	Suresh	Das	Pass					
8	Ankit Singh	6	9	Patna	Math	60	Science	10	English	20	90	Ankit	Singh	Fail					
9	Riya Gupta	7	9	Noida	English	92	Science	89	Computer	94	275	Riya	Gupta	Pass					
10	Mohit Jain	8	9	Indore	Math	81	English	77	Science	85	243	Mohit	Jain	Pass					
11	Sneha Iyer	9	9	Chennai	Science	90	Math	88	English	91	269	Sneha	Iyer	Pass					
12	Karan Malhotra	10	9	Chandigarh	Math	74	Science	79	Computer	82	235	Karan	Malhotra	Pass					
13	Aditi Rao	11	9	Bengaluru	English	86	History	83	Science	88	257	Aditi	Rao	Pass	PASS	13			
14	Nikhil Pawar	12	9	Pune	Math	89	Science	91	Geography	87	267	Nikhil	Pawar	Pass	FAIL	2			
15	Simran Kaur	13	9	Delhi	English	80	Punjabi	85	Science	78	243	Simran	Kaur	Pass					
16	Arjun Mehta	14	9	Mumbai	Math	93	Science	90	English	92	275	Arjun	Mehta	Pass					
17	Kavya Nair	15	9	Kochi	Science	87	Math	84	English	89	260	Kavya	Nair	Pass					
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	Name	Roll No	Class	City	Subj1	Marks1	Subj2	Marks2	Subj3	Marks3	Average	Max	Min						
2	Rahul Verma	1	9	Delhi	Math	78	Science	82	English	75	78.3333333	82	75						
3	Neha Sharma	2	9	Jaipur	English	85	History	80	Science	88	84.3333333	88	80						
4	Aman Khan	3	9	Lucknow	Math	90	Computer	92	Science	86	89.3333333	92	86						
5	Pooja Patel	4	9	Surat	Math	50	English	10	Hindi	40	33.3333333	50	10						
6	Suresh Das	5	9	Delhi	Science	88	Math	84	Geography	79	83.6666667	88	79						
7	Ankit Singh	6	9	Patna	Math	60	Science	10	English	20	30	60	10						
8	Riya Gupta	7	9	Noida	English	92	Science	89	Computer	94	91.6666667	94	89						
9	Mohit Jain	8	9	Indore	Math	81	English	77	Science	85	81	85	77						
10	Sneha Iyer	9	9	Chennai	Science	90	Math	88	English	91	89.6666667	91	88						
11	Karan Malhotra	10	9	Chandigarh	Math	74	Science	79	Computer	82	78.3333333	82	74						
12	Aditi Rao	11	9	Bengaluru	English	86	History	83	Science	88	85.6666667	88	83						
13	Nikhil Pawar	12	9	Pune	Math	89	Science	91	Geography	87	89	91	87						
14	Simran Kaur	13	9	Delhi	English	80	Punjabi	85	Science	78	81	85	78						
15	Arjun Mehta	14	9	Mumbai	Math	93	Science	90	English	92	91.6666667	93	90						
16	Kavya Nair	15	9	Kochi	Science	87	Math	84	English	89	86.6666667	89	84						
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