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.

Screenshot 1

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Student Result Management	Column1 first name	Column2 last name	Column3 Roll No	Column4 Class	Column5 City	Column6 Marks (ENGLISH)	Column7 Marks (MATHS)	Column8 Marks (SCIENCE)	Column9 total marks	Column10 remarks
Name	first name	last name	Roll No	Class	City	Marks (ENGLISH)	Marks (MATHS)	Marks (SCIENCE)	total marks	remarks
Rahul Verma	Rahul	Verma	1	9	Delhi	78	82	75	235	pass
Neha Sharma	Neha	Sharma	2	9	Jaipur	85	10	88	183	pass
Aman Khan	Aman	Khan	3	9	Lucknow	90	92	86	268	pass
Pooja Patel	Pooja	Patel	4	9	Surat	50	10	40	100	fail
Suresh Das	Suresh	Das	5	9	Delhi	88	84	79	251	pass
Ankit Singh	Ankit	Singh	6	9	Patna	20	10	20	50	fail
Riya Gupta	Riya	Gupta	7	9	Noida	92	89	94	275	pass
Mohit Jain	Mohit	Jain	8	9	Indore	81	77	85	243	pass
Sneha Iyer	Sneha	Iyer	9	9	Chennai	90	88	91	269	pass
Karan Malhotra	Karan	Malhotra	10	9	Chandigarh	74	79	82	235	pass
Aditi Rao	Aditi	Rao	11	9	Bengaluru	86	83	88	257	pass
Nikhil Pawar	Nikhil	Pawar	12	9	Pune	89	91	87	267	pass
Simran Kaur	Simran	Kaur	13	9	Delhi	80	85	78	243	pass
Arjun Mehta	Arjun	Mehta	14	9	Mumbai	93	90	92	275	pass
Kavya Nair	Kavya	Nair	15	9	Kochi	87	84	89	260	pass

pass	13
fail	2

Screenshot 2

H22

Student Result Management	Column1 first name	Column2 last name	Column3 Roll No	Column4 Class	Column5 City	Column6 Marks (ENGLISH)	Column7 Marks (MATHS)	Column8 Marks (SCIENCE)	Column9 total marks	Column10 remarks	Column11 average
Name	first name	last name	Roll No	Class	City	Marks (ENGLISH)	Marks (MATHS)	Marks (SCIENCE)	total marks	remarks	average
Rahul Verma	Rahul	Verma	1	9	Delhi	78	82	75	235	pass	78.33333333
Neha Sharma	Neha	Sharma	2	9	Jaipur	85	10	88	183	pass	61
Aman Khan	Aman	Khan	3	9	Lucknow	90	92	86	268	pass	89.33333333
Pooja Patel	Pooja	Patel	4	9	Surat	50	10	40	100	fail	33.33333333
Suresh Das	Suresh	Das	5	9	Delhi	88	84	79	251	pass	83.66666667
Ankit Singh	Ankit	Singh	6	9	Patna	20	10	20	50	fail	16.66666667
Riya Gupta	Riya	Gupta	7	9	Noida	92	89	94	275	pass	91.66666667
Mohit Jain	Mohit	Jain	8	9	Indore	81	77	85	243	pass	81
Sneha Iyer	Sneha	Iyer	9	9	Chennai	90	88	91	269	pass	89.66666667
Karan Malhotra	Karan	Malhotra	10	9	Chandigarh	74	79	82	235	pass	78.33333333
Aditi Rao	Aditi	Rao	11	9	Bengaluru	86	83	88	257	pass	85.66666667
Nikhil Pawar	Nikhil	Pawar	12	9	Pune	89	91	87	267	pass	89
Simran Kaur	Simran	Kaur	13	9	Delhi	80	85	78	243	pass	81
Arjun Mehta	Arjun	Mehta	14	9	Mumbai	93	90	92	275	pass	91.66666667
Kavya Nair	Kavya	Nair	15	9	Kochi	87	84	89	260	pass	86.66666667

count of delhi students
3

max
275

min
50

Screenshot 3

G10

Marks (ENGLISH)

Chart Title

pass fail