

## TEST DOCUMENT

Report Name	HR Analytics Dashboard
Testing Tool	SQL
Development Tool	Power BI

Test No.	Sheet Name	Query	Test Result	QA Remark
1	KPI- Employee Count	select sum(employee_count) as Employee_Count from hrdata;	Pass	Exact match
2	KPI- Attrition Count	select count(attrition) from hrdata where attrition='Yes';	Pass	Exact match
3	KPI- Attrition Rate	select round (((select count(attrition) from hrdata where attrition='Yes')/ sum(employee_count)) * 100,2) from hrdata;	Pass	Exact match
4	KPI- Active Employee	select count(active_employee) from hrdata where active_employee=1;	Pass	Exact match
5	KPI- Average Age	select round(avg(age),0) from hrdata;	Pass	Exact match

6	Attrition by Gender	select gender, count(attrition) as attrition_count from hrdata where attrition='Yes' group by gender order by count(attrition) desc;	Pass	Exact match
7	Department wise Attrition	select department, count(attrition), round((cast (count(attrition) as numeric) / (select count(attrition) from hrdata where attrition= 'Yes')) * 100, 2) as pct from hrdata where attrition='Yes' group by department order by count(attrition) desc;	Pass	Exact match
8	No of Employee by Age Group	select age_band, gender, sum(employee_count) from hrdata group by age_band, gender order by age_band, gender desc	Pass	Exact match
9	Education Field wise Attrition	select education_field, count(attrition) as attrition_count from hrdata where attrition='Yes' group by education_field order by count(attrition) desc;	Pass	Exact match

10	Attrition Rate by Gender for different Age group	<pre> select age_band, gender, count(attrition) as attrition, round((cast(count(attrition) as numeric) / (select count(attrition) from hrdata where attrition = 'Yes')) * 100,2) as pct from hrdata where attrition = 'Yes' group by age_band, gender order by age_band desc; </pre>	Pass	Exact match
11	Job Satisfaction Rating	<pre> SELECT * FROM crosstab('SELECT job_role, job_satisfaction, sum(employee_count) FROM hrdata GROUP BY job_role, job_satisfaction ORDER BY job_role, job_satisfaction' ) AS ct(job_role varchar(50), one numeric, two numeric, three numeric, four numeric) ORDER BY job_role; </pre>	Pass	Exact match

### Test Result:

<b>Total Tests</b>	11
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<b>Pass</b>	11
<b>Fail</b>	00
<b>Blocked</b>	00
<b>Not Executed</b>	00