

### Report on T-test Analysis of UG Programmes 2023-24

Sl. No.	UG Programme	Null Hypothesis (H <sub>0</sub> )	Alternative Hypothesis (H <sub>1</sub> )	t-test Statistic	p-value	Decision ( $\alpha = 0.05$ )	Conclusion
1.	BA	Average marks in first year = Average marks in final year	Average marks in first year < Average marks in final year	-1.11	0.1339	Do not reject H <sub>0</sub>	The average performance of the students in their first and final years are same.
2.	BSc	Average marks in first year = Average marks in final year	Average marks in first year < Average marks in final year	-2.77	0.0029	Reject H <sub>0</sub>	The average performance of the students in their final year have been increased when compared with first year.
3.	BCom	Average marks in first year = Average marks in final year	Average marks in first year < Average marks in final year	3.51	0.9998	Do not reject H <sub>0</sub>	The average performance of the students in their first and final years are same.
4.	BBA	Average marks in first year = Average marks in final year	Average marks in first year < Average marks in final year	-1.61	0.0553	Do not reject H <sub>0</sub>	The average performance of the students in their first and final years are same.
5.	BCA	Average marks in first year = Average marks in final year	Average marks in first year < Average marks in final year	4.85	1	Do not reject H <sub>0</sub>	The average performance of the students in their first and final years are same.
6.	BVoc Retail and Supply Chain Management	Average marks in first year = Average marks in final year	Average marks in first year < Average marks in final year	1.92	0.97	Do not reject H <sub>0</sub>	The average performance of the students in their first and final years are same.

7.	BVoc Software and App Development	Average marks in first year = Average marks in final year	Average marks in first year < Average marks in final year	-5.22	1.801e-06	Reject $H_0$	The average performance of the students in their final year have been increased when compared with first year.
8.	BVoc Digital Media and Film Making	Average marks in first year = Average marks in final year	Average marks in first year < Average marks in final year	-0.32	0.3757	Do not reject $H_0$	The average performance of the students in their first and final years are same.