

**CHHOTUBHAI GOPALBHAI PATEL INSTITUTE OF TECHNOLOGY, UTU**  
**Department of Computer Engineering and Artificial Intelligence & Data Science**

**A REPORT of Expert Talk**  
**On**  
**Non-parametric Statistics and Hypothesis Testing, 23<sup>rd</sup> September 2023**

<b>Organizing Department</b>	<b>Department of Computer Engineering and Artificial Intelligence &amp; Data Science</b>
<b>Coordinator</b>	Dr. Vibha Patel
<b>Target Audience</b>	B.Tech. 5 <sup>th</sup> semester students AI&DS department
<b>Total Number of present students</b>	18
<b>Date of Programme</b>	23 <sup>rd</sup> September 2023 9:00 AM to 12:30 PM
<b>Invited Speaker</b>	Dr. Ankit Kharwar Assistant professor, Department of Information Technology, SCET, Sarvajanik University, Surat.

An Expert talk was delivered by Dr. Ankit Kharwar, Information Technology Department, SCET, Surat. He delivered talk on “**Non-parametric Statistics and Hypothesis Testing**” on **23<sup>rd</sup> September, 2023 at E-101, CGPIT.**

Dr. Ankit Kharwar has discussed the following topics in details:

- ✓ Runs test for randomness
- ✓ The sign test
- ✓ Mann-Whitney U-test
- ✓ The Kruskal-Wallis H-test
- ✓ The Wilcoxon Matched-Pairs signed ranks test
- ✓ The Kolmogorov - Smirnov two sample test

