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**SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE**

**Symbiosis International (Deemed University)**

(Established under section 3 of the UGC Act, 1956)

**Re-accredited by NAAC with ‘A’ grade (3.58/4) | Awarded Category – I by UGC**

**Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)**



**Assignment No. 01**

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| **Subject:** | Software Tools for Computer Science (STCS) |
| **TCODE:** | TE7749 |
| **Name of Student** | **Almaan Hadwani** |
| **PRN No.** | **24070122021** |
| **Branch** | CSE, Batch(2024-28) |
| **Academic Year &**  **Semester** | 2024-2025 , Semester 1 |
| **Date of Performance** | **12/11/2024** |
| **Title of Assignment:** | **Title-To study correlation for data analysis by using MS-Excel.** |
| **Theory:**  *(*Write about the assignment briefly *etc.)* | * Q.1 . Calculate Correlation between the columns "Number of Units Sold" and "Cost PriceTotal (USD)".Also stare that whether Positive Correlation or Negative Correlation. * Q.2 . Calculate Mean and Mode for the column "Purchase/Stock in". Also Insert "Scatter Plot Graph" for the same. |
| **Output**  (*Add text on work done with screenshots etc.)* |  |
| **Conclusion**  *(Write your overall hands-on learning experience using Excel etc.)* | Using MS Excel to study correlation is an effective and user-friendly approach for data analysis. The **CORREL** function helps quantify the strength and direction of the relationship between variables. Visualizing the data with scatter plots further enhances understanding. This analysis aids in identifying patterns and informed decision-making in various fields. |

Faculty Name: Prof. Shubhangi Deokar