**Steps used for Data Transformation:**

* Downloaded raw data from [www.aicte-india.org](http://www.aicte-india.org/) in PDF form.
* PDF format poses challenges for efficient data handling and analysis.
* The raw data in PDF was not structured into rows and columns, and contain inconsistencies, irregularities, or missing values that can impede accurate data extraction and transformation.
* PDF files may lack meaningful insights, and analyzing them individually might not provide a comprehensive view.

**Solutions:**

* Utilize PDF to Excel conversion tools to convert the downloaded PDF data into an Excel sheet, ensuring a structured format for further processing.
* Used Power Query editor in Excel for data extraction, transformation, and loading (ETL) tasks.
* Added necessary columns and split existing ones to organize the data in a tabular format.
* Used extraction techniques to capture specific information from the PDF data. Employ techniques such as before and after delimiter operations to separate data appropriately.
* Replaced inconsistent or erroneous values with accurate ones to enhance data quality.
* Managed prefixes in data values to ensure uniformity and consistency.
* Appended queries from multiple raw data sheets to create a comprehensive dataset in Excel.
* Merged data from various sheets into a single main file for a holistic view and analysis.
* Utilized Excel's data visualization tools to create meaningful insights and representations of the processed data.