**SHRI VISHNU ENGINEERING COLLEGE   
 FOR WOMEN(AUTONOMOUS)::BHIMAVARAM**

|  |  |  |
| --- | --- | --- |
| SNO |  |  |
| 1. | **TITLE OF THE PROJECT** | STUDENT PERFORMANCE ANALYSIS |
| 2. | **DETAILS OF TEAM MEMBERS** | 1. BANDARU SRI LOHITHA - SRILOHITHA.B@GMAIL.COM 2. DULAM SAI KEERTHANA - DULAMSAIKEERTHANA@GMAIL.COM 3. VEDULLAPALLI ASRITHA - ASRITHASAI26@GMAIL.COM 4. DOMMETI SWATHI - SWATHIDOMMETI03@GMAIL.COM |
| 3. | **DOMAIN** | DATA ANALYTICS |
| 4. | **TECHNOLOGIES & TOOLS** | Python, vs code |
| 4. | **DESCRIPTION** | In the modern educational landscape, the availability of vast amounts of student-related data presents an opportunity to gain valuable insights into academic performance and learning patterns. This study aims to leverage data analytics techniques to analyze and interpret student performance data. By utilizing various data sources such as assessment scores, attendance records, and demographic information, this research focuses on identifying key factors that influence student success.  Exploratory data analysis techniques allow for the identification of correlations between factors such as attendance, study habits, and academic achievement. Additionally, clustering techniques are employed to group students based on similar characteristics, enabling personalized interventions and targeted support.  Ultimately, this research contributes to the ongoing efforts to enhance student performance analysis through data-driven decision-making in the realm of education. |