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| **Complex Engineering Problem Rubrics (Form)** | | | |
| **Project Title:** | | **Speech Processing Using MATLAB** | |
| **Subject** | | **Digital Signal Processing Lab** | |
| **Submitted by:** | | | |
| **Names** | | | **Registration #** |
| ***1.*** | Muhammad Kaleem Ullah | | Fa19-bce-007 |
| ***2.*** | Hamza Umar | | Fa19-bce-026 |
| ***3.*** | Rahim Ullah | | Fa19-bce-009 |

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| **Rubrics name & number** | | **Marks** | | |
| **1** | **2** | **3** |
| **PLO-1**  **Engineering Knowledge** | ***CR1: Interpretation of Subject Knowledge:***  *Ability to interpret and explain mathematical and/or visual forms, including equations, diagrams, graphics, figures and tables.* |  |  |  |
| **PLO-2**  **Problem Analysis** | ***CR3: Data/Evidence Measurements:***  *Ability to record raw data / evidence.* |  |  |  |
| ***CR4: Experimental Data Analysis:***  *Ability to interpret findings, compare them to values in the literature, identify weaknesses and limitations.* |  |  |  |
| **PLO-3**  **Engineering Design** | ***CR6: Best Coding Standards:***  *Ability to follow the coding standards and programming practices.* |  |  |  |
| **PLO-5**  **Modern Tools Usage** | ***CR9: Tools Evaluation:***  *Ability to simulate the experiment and then using hardware tools to verify the results.* |  |  |  |
| **PLO0-9**  **Individual and Teamwork** | ***CR10: Individual Work Contributions:***  *Ability to carry out individual responsibilities.* |  |  |  |
| **PLO-10**  **Communication Skills (Report/Presentation)** | ***CR12: Language and Grammar, and Formatting Style*** |  |  |  |
| ***CR13: Delivery &***  ***Presentation Skills*** |  |  |  |
| ***Total:*** | |  |  |  |

(To be filled by students.)