# Criteria Analysis

## Engineer 1

Pairwise Comparison Matrix:  
[[1. 1. 3. 1. 1. 1. 1. ]  
 [1. 1. 3. 1. 1. 1. 1. ]  
 [0.333 0.333 1. 3. 3. 3. 3. ]  
 [1. 1. 0.333 1. 3. 3. 3. ]  
 [1. 1. 0.333 0.333 1. 1. 1. ]  
 [1. 1. 0.333 0.333 1. 1. 3. ]  
 [1. 1. 0.333 0.333 1. 0.333 1. ]]

Weights:  
[0.17, 0.17, 0.204, 0.173, 0.091, 0.11, 0.082]

Max Eigenvalue: 8.265

Consistency Index (CI): 0.211

Consistency Ratio (CR): 0.16

Random Index (RI): 1.32

## Engineer 2

Pairwise Comparison Matrix:  
[[1. 1. 3. 3. 1. 5. 5. ]  
 [1. 1. 1. 1. 1. 1. 1. ]  
 [0.333 1. 1. 1. 1. 1. 1. ]  
 [0.333 1. 1. 1. 1. 1. 1. ]  
 [1. 1. 1. 1. 1. 1. 3. ]  
 [0.2 1. 1. 1. 1. 1. 1. ]  
 [0.2 1. 1. 1. 0.333 1. 1. ]]

Weights:  
[0.297, 0.135, 0.108, 0.108, 0.159, 0.103, 0.089]

Max Eigenvalue: 7.399

Consistency Index (CI): 0.067

Consistency Ratio (CR): 0.05

Random Index (RI): 1.32

## Engineer 3

Pairwise Comparison Matrix:  
[[1. 9. 5. 3. 5. 3. 3. ]  
 [0.111 1. 3. 1. 3. 3. 1. ]  
 [0.2 0.333 1. 3. 3. 9. 3. ]  
 [0.333 1. 0.333 1. 3. 7. 5. ]  
 [0.2 0.333 0.333 0.333 1. 5. 5. ]  
 [0.333 0.333 0.111 0.143 0.2 1. 7. ]  
 [0.333 1. 0.333 0.2 0.2 0.143 1. ]]

Weights:  
[0.37, 0.135, 0.169, 0.139, 0.085, 0.06, 0.042]

Max Eigenvalue: 9.654

Consistency Index (CI): 0.442

Consistency Ratio (CR): 0.335

Random Index (RI): 1.32

## Engineer 4

Pairwise Comparison Matrix:  
[[1. 1. 3. 3. 1. 1. 1. ]  
 [1. 1. 1. 1. 1. 1. 1. ]  
 [0.333 1. 1. 1. 1. 1. 1. ]  
 [0.333 1. 1. 1. 1. 1. 1. ]  
 [1. 1. 1. 1. 1. 1. 1. ]  
 [1. 1. 1. 1. 1. 1. 1. ]  
 [1. 1. 1. 1. 1. 1. 1. ]]

Weights:  
[0.205, 0.139, 0.12, 0.12, 0.139, 0.139, 0.139]

Max Eigenvalue: 7.205

Consistency Index (CI): 0.034

Consistency Ratio (CR): 0.026

Random Index (RI): 1.32

## Engineer 5

Pairwise Comparison Matrix:  
[[1. 1. 1. 1. 1. 1. 1. ]  
 [1. 1. 1. 1. 1. 1. 1. ]  
 [1. 1. 1. 1. 1. 1. 1. ]  
 [1. 1. 1. 1. 1. 1. 1. ]  
 [1. 1. 1. 1. 1. 3. 3. ]  
 [1. 1. 1. 1. 0.333 1. 1. ]  
 [1. 1. 1. 1. 0.333 1. 1. ]]

Weights:  
[0.139, 0.139, 0.139, 0.139, 0.205, 0.12, 0.12]

Max Eigenvalue: 7.205

Consistency Index (CI): 0.034

Consistency Ratio (CR): 0.026

Random Index (RI): 1.32

## Engineer 6

Pairwise Comparison Matrix:  
[[1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]]

Weights:  
[0.143, 0.143, 0.143, 0.143, 0.143, 0.143, 0.143]

Max Eigenvalue: 7.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 1.32

## Engineer 7

Pairwise Comparison Matrix:  
[[1. 1. 1. 1. 1. 1. 1. ]  
 [1. 1. 1. 1. 1. 9. 1. ]  
 [1. 1. 1. 1. 1. 1. 1. ]  
 [1. 1. 1. 1. 1. 1. 1. ]  
 [1. 1. 1. 1. 1. 9. 1. ]  
 [1. 0.111 1. 1. 0.111 1. 3. ]  
 [1. 1. 1. 1. 1. 0.333 1. ]]

Weights:  
[0.119, 0.215, 0.119, 0.119, 0.215, 0.1, 0.111]

Max Eigenvalue: 8.378

Consistency Index (CI): 0.23

Consistency Ratio (CR): 0.174

Random Index (RI): 1.32

## Engineer 8

Pairwise Comparison Matrix:  
[[1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]]

Weights:  
[0.143, 0.143, 0.143, 0.143, 0.143, 0.143, 0.143]

Max Eigenvalue: 7.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 1.32

## Engineer 9

Pairwise Comparison Matrix:  
[[1. 5. 5. 5. 1. 3. 5. ]  
 [0.2 1. 5. 5. 3. 3. 5. ]  
 [0.2 0.2 1. 5. 5. 3. 3. ]  
 [0.2 0.2 0.2 1. 3. 3. 3. ]  
 [1. 0.333 0.2 0.333 1. 1. 3. ]  
 [0.333 0.333 0.333 0.333 1. 1. 5. ]  
 [0.2 0.2 0.333 0.333 0.333 0.2 1. ]]

Weights:  
[0.352, 0.234, 0.155, 0.085, 0.081, 0.064, 0.03]

Max Eigenvalue: 8.926

Consistency Index (CI): 0.321

Consistency Ratio (CR): 0.243

Random Index (RI): 1.32

## Engineer 10

Pairwise Comparison Matrix:  
[[1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]]

Weights:  
[0.143, 0.143, 0.143, 0.143, 0.143, 0.143, 0.143]

Max Eigenvalue: 7.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 1.32

## Engineer 11

Pairwise Comparison Matrix:  
[[1. 3. 3. 1. 1. 3. 1. ]  
 [0.333 1. 3. 1. 1. 1. 3. ]  
 [0.333 0.333 1. 1. 3. 1. 1. ]  
 [1. 1. 1. 1. 3. 1. 1. ]  
 [1. 1. 0.333 0.333 1. 3. 1. ]  
 [0.333 1. 1. 1. 0.333 1. 1. ]  
 [1. 0.333 1. 1. 1. 1. 1. ]]

Weights:  
[0.221, 0.165, 0.124, 0.156, 0.126, 0.096, 0.111]

Max Eigenvalue: 8.002

Consistency Index (CI): 0.167

Consistency Ratio (CR): 0.127

Random Index (RI): 1.32

## Engineer 12

Pairwise Comparison Matrix:  
[[1. 7. 1. 0.143 0.2 1. 7. ]  
 [0.143 1. 0.2 0.111 0.2 0.333 1. ]  
 [1. 5. 1. 3. 1. 7. 0.333]  
 [6.998 9.001 0.333 1. 1. 7. 7. ]  
 [5. 5. 1. 1. 1. 1. 1. ]  
 [1. 3. 0.143 0.143 1. 1. 1. ]  
 [0.143 1. 3. 0.143 1. 1. 1. ]]

Weights:  
[0.141, 0.028, 0.202, 0.294, 0.168, 0.063, 0.103]

Max Eigenvalue: 9.964

Consistency Index (CI): 0.494

Consistency Ratio (CR): 0.374

Random Index (RI): 1.32

## Engineer 13

Pairwise Comparison Matrix:  
[[1. 3. 3. 5. 5. 3. 5. ]  
 [0.333 1. 5. 3. 5. 3. 5. ]  
 [0.333 0.2 1. 5. 5. 5. 5. ]  
 [0.2 0.333 0.2 1. 5. 7. 5. ]  
 [0.2 0.2 0.2 0.2 1. 7. 3. ]  
 [0.333 0.333 0.2 0.143 0.143 1. 5. ]  
 [0.2 0.2 0.2 0.2 0.333 0.2 1. ]]

Weights:  
[0.309, 0.246, 0.181, 0.121, 0.071, 0.046, 0.025]

Max Eigenvalue: 9.1

Consistency Index (CI): 0.35

Consistency Ratio (CR): 0.265

Random Index (RI): 1.32

## Engineer 14

Pairwise Comparison Matrix:  
[[1. 7. 5. 1. 1. 1. 5. ]  
 [0.143 1. 3. 3. 1. 1. 1. ]  
 [0.2 0.333 1. 1. 3. 5. 5. ]  
 [1. 0.333 1. 1. 0.333 1. 1. ]  
 [1. 1. 0.333 3. 1. 1. 1. ]  
 [1. 1. 0.2 1. 1. 1. 1. ]  
 [0.2 1. 0.2 1. 1. 1. 1. ]]

Weights:  
[0.312, 0.14, 0.173, 0.092, 0.119, 0.096, 0.068]

Max Eigenvalue: 8.988

Consistency Index (CI): 0.331

Consistency Ratio (CR): 0.251

Random Index (RI): 1.32

## Engineer 15

Pairwise Comparison Matrix:  
[[1. 3. 1. 3. 1. 3. 1. ]  
 [0.333 1. 3. 1. 3. 3. 1. ]  
 [1. 0.333 1. 1. 1. 1. 1. ]  
 [0.333 1. 1. 1. 1. 1. 1. ]  
 [1. 0.333 1. 1. 1. 3. 3. ]  
 [0.333 0.333 1. 1. 0.333 1. 3. ]  
 [1. 1. 1. 1. 0.333 0.333 1. ]]

Weights:  
[0.225, 0.198, 0.108, 0.106, 0.159, 0.102, 0.103]

Max Eigenvalue: 8.037

Consistency Index (CI): 0.173

Consistency Ratio (CR): 0.131

Random Index (RI): 1.32

## Engineer 16

Pairwise Comparison Matrix:  
[[1. 0.111 0.143 1. 1. 1. 1. ]  
 [9.001 1. 1. 1. 1. 7. 1. ]  
 [6.998 1. 1. 1. 1. 5. 1. ]  
 [1. 1. 1. 1. 1. 1. 1. ]  
 [1. 1. 1. 1. 1. 5. 5. ]  
 [1. 0.143 0.2 1. 0.2 1. 0.143]  
 [1. 1. 1. 1. 0.2 6.998 1. ]]

Weights:  
[0.076, 0.225, 0.196, 0.12, 0.205, 0.045, 0.133]

Max Eigenvalue: 8.326

Consistency Index (CI): 0.221

Consistency Ratio (CR): 0.167

Random Index (RI): 1.32

## Engineer 17

Pairwise Comparison Matrix:  
[[1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]]

Weights:  
[0.143, 0.143, 0.143, 0.143, 0.143, 0.143, 0.143]

Max Eigenvalue: 7.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 1.32

## Engineer 18

Pairwise Comparison Matrix:  
[[1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]]

Weights:  
[0.143, 0.143, 0.143, 0.143, 0.143, 0.143, 0.143]

Max Eigenvalue: 7.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 1.32

## Engineer 19

Pairwise Comparison Matrix:  
[[1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]]

Weights:  
[0.143, 0.143, 0.143, 0.143, 0.143, 0.143, 0.143]

Max Eigenvalue: 7.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 1.32

## Engineer 20

Pairwise Comparison Matrix:  
[[1. 5. 5. 5. 5. 5. 5. ]  
 [0.2 1. 5. 3. 1. 1. 1. ]  
 [0.2 0.2 1. 1. 5. 5. 5. ]  
 [0.2 0.333 1. 1. 5. 5. 5. ]  
 [0.2 1. 0.2 0.2 1. 5. 5. ]  
 [0.2 1. 0.2 0.2 0.2 1. 5. ]  
 [0.2 1. 0.2 0.2 0.2 0.2 1. ]]

Weights:  
[0.37, 0.162, 0.139, 0.141, 0.091, 0.059, 0.038]

Max Eigenvalue: 9.517

Consistency Index (CI): 0.42

Consistency Ratio (CR): 0.318

Random Index (RI): 1.32

## Engineer 21

Pairwise Comparison Matrix:  
[[1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]]

Weights:  
[0.143, 0.143, 0.143, 0.143, 0.143, 0.143, 0.143]

Max Eigenvalue: 7.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 1.32

## Engineer 22

Pairwise Comparison Matrix:  
[[1. 1. 1. 9. 0.111 0.143 0.111]  
 [1. 1. 0.143 0.111 0.111 0.111 0.111]  
 [1. 6.998 1. 1. 1. 0.111 9. ]  
 [0.111 9.001 1. 1. 0.111 0.111 0.111]  
 [9.001 9.001 1. 9.001 1. 1. 1. ]  
 [6.998 9.001 9.001 9.001 1. 1. 7. ]  
 [9.001 9.001 0.111 9.001 1. 0.143 1. ]]

Weights:  
[0.066, 0.018, 0.173, 0.042, 0.184, 0.376, 0.14]

Max Eigenvalue: 10.913

Consistency Index (CI): 0.652

Consistency Ratio (CR): 0.494

Random Index (RI): 1.32

## Engineer 23

Pairwise Comparison Matrix:  
[[1. 5. 5. 5. 5. 5. 5. ]  
 [0.2 1. 5. 3. 5. 5. 5. ]  
 [0.2 0.2 1. 3. 5. 5. 5. ]  
 [0.2 0.333 0.333 1. 5. 5. 5. ]  
 [0.2 0.2 0.2 0.2 1. 1. 5. ]  
 [0.2 0.2 0.2 0.2 1. 1. 5. ]  
 [0.2 0.2 0.2 0.2 0.2 0.2 1. ]]

Weights:  
[0.401, 0.229, 0.141, 0.108, 0.047, 0.047, 0.026]

Max Eigenvalue: 8.471

Consistency Index (CI): 0.245

Consistency Ratio (CR): 0.186

Random Index (RI): 1.32

## Engineer 24

Pairwise Comparison Matrix:  
[[1. 1. 1. 3. 3. 3. 1. ]  
 [1. 1. 1. 1. 1. 1. 1. ]  
 [1. 1. 1. 1. 1. 1. 1. ]  
 [0.333 1. 1. 1. 1. 1. 1. ]  
 [0.333 1. 1. 1. 1. 1. 1. ]  
 [0.333 1. 1. 1. 1. 1. 1. ]  
 [1. 1. 1. 1. 1. 1. 1. ]]

Weights:  
[0.235, 0.138, 0.138, 0.117, 0.117, 0.117, 0.138]

Max Eigenvalue: 7.23

Consistency Index (CI): 0.038

Consistency Ratio (CR): 0.029

Random Index (RI): 1.32

## Engineer 25

Pairwise Comparison Matrix:  
[[1. 1. 1. 1. 1. 1. 1. ]  
 [1. 1. 1. 1. 1. 1. 3. ]  
 [1. 1. 1. 3. 1. 1. 3. ]  
 [1. 1. 0.333 1. 3. 1. 3. ]  
 [1. 1. 1. 0.333 1. 1. 1. ]  
 [1. 1. 1. 1. 1. 1. 3. ]  
 [1. 0.333 0.333 0.333 1. 0.333 1. ]]

Weights:  
[0.134, 0.154, 0.199, 0.168, 0.119, 0.154, 0.074]

Max Eigenvalue: 7.47

Consistency Index (CI): 0.078

Consistency Ratio (CR): 0.059

Random Index (RI): 1.32

## Engineer 26

Pairwise Comparison Matrix:  
[[1. 5. 3. 5. 5. 3. 3. ]  
 [0.2 1. 3. 5. 5. 5. 5. ]  
 [0.333 0.333 1. 5. 3. 3. 5. ]  
 [0.2 0.2 0.2 1. 3. 5. 5. ]  
 [0.2 0.2 0.333 0.333 1. 3. 3. ]  
 [0.333 0.2 0.333 0.2 0.333 1. 3. ]  
 [0.333 0.2 0.2 0.2 0.333 0.333 1. ]]

Weights:  
[0.362, 0.236, 0.16, 0.1, 0.061, 0.049, 0.034]

Max Eigenvalue: 8.49

Consistency Index (CI): 0.248

Consistency Ratio (CR): 0.188

Random Index (RI): 1.32

## Engineer 27

Pairwise Comparison Matrix:  
[[1. 3. 1. 1. 1. 1. 1. ]  
 [0.333 1. 1. 1. 1. 1. 1. ]  
 [1. 1. 1. 1. 1. 1. 1. ]  
 [1. 1. 1. 1. 1. 1. 1. ]  
 [1. 1. 1. 1. 1. 1. 1. ]  
 [1. 1. 1. 1. 1. 1. 1. ]  
 [1. 1. 1. 1. 1. 1. 1. ]]

Weights:  
[0.175, 0.124, 0.14, 0.14, 0.14, 0.14, 0.14]

Max Eigenvalue: 7.131

Consistency Index (CI): 0.022

Consistency Ratio (CR): 0.017

Random Index (RI): 1.32

## Engineer 28

Pairwise Comparison Matrix:  
[[1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]]

Weights:  
[0.143, 0.143, 0.143, 0.143, 0.143, 0.143, 0.143]

Max Eigenvalue: 7.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 1.32

## Engineer 29

Pairwise Comparison Matrix:  
[[1. 3. 1. 3. 1. 1. 1. ]  
 [0.333 1. 3. 1. 3. 3. 1. ]  
 [1. 0.333 1. 1. 1. 1. 3. ]  
 [0.333 1. 1. 1. 1. 1. 3. ]  
 [1. 0.333 1. 1. 1. 3. 3. ]  
 [1. 0.333 1. 1. 0.333 1. 3. ]  
 [1. 1. 0.333 0.333 0.333 0.333 1. ]]

Weights:  
[0.202, 0.201, 0.125, 0.125, 0.153, 0.113, 0.08]

Max Eigenvalue: 8.184

Consistency Index (CI): 0.197

Consistency Ratio (CR): 0.15

Random Index (RI): 1.32

## Engineer 30

Pairwise Comparison Matrix:  
[[1. 1. 1. 1. 1. 1. 0.333]  
 [1. 1. 3. 3. 1. 0.333 0.333]  
 [1. 0.333 1. 0.333 1. 1. 1. ]  
 [1. 0.333 3. 1. 0.333 0.333 1. ]  
 [1. 1. 1. 3. 1. 0.333 1. ]  
 [1. 3. 1. 3. 3. 1. 1. ]  
 [3. 3. 1. 1. 1. 1. 1. ]]

Weights:  
[0.108, 0.143, 0.103, 0.109, 0.133, 0.219, 0.186]

Max Eigenvalue: 8.08

Consistency Index (CI): 0.18

Consistency Ratio (CR): 0.136

Random Index (RI): 1.32

## Engineer 31

Pairwise Comparison Matrix:  
[[1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]]

Weights:  
[0.143, 0.143, 0.143, 0.143, 0.143, 0.143, 0.143]

Max Eigenvalue: 7.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 1.32

## Engineer 32

Pairwise Comparison Matrix:  
[[1. 3. 1. 1. 3. 3. 1. ]  
 [0.333 1. 3. 3. 3. 3. 1. ]  
 [1. 0.333 1. 3. 1. 3. 1. ]  
 [1. 0.333 0.333 1. 3. 3. 1. ]  
 [0.333 0.333 1. 0.333 1. 3. 3. ]  
 [0.333 0.333 0.333 0.333 0.333 1. 3. ]  
 [1. 1. 1. 1. 0.333 0.333 1. ]]

Weights:  
[0.211, 0.212, 0.15, 0.134, 0.115, 0.077, 0.102]

Max Eigenvalue: 8.554

Consistency Index (CI): 0.259

Consistency Ratio (CR): 0.196

Random Index (RI): 1.32

## Engineer 33

Pairwise Comparison Matrix:  
[[1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]]

Weights:  
[0.143, 0.143, 0.143, 0.143, 0.143, 0.143, 0.143]

Max Eigenvalue: 7.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 1.32

## Engineer 34

Pairwise Comparison Matrix:  
[[1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]]

Weights:  
[0.143, 0.143, 0.143, 0.143, 0.143, 0.143, 0.143]

Max Eigenvalue: 7.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 1.32

## Engineer 35

Pairwise Comparison Matrix:  
[[1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]  
 [1. 1. 1. 1. 1. 1. 1.]]

Weights:  
[0.143, 0.143, 0.143, 0.143, 0.143, 0.143, 0.143]

Max Eigenvalue: 7.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 1.32

## Engineer 1

Pairwise Comparison Matrix:  
[[1. 1. 3. ]  
 [1. 1. 1. ]  
 [0.333 1. 1. ]]

Weights:  
[0.46, 0.319, 0.221]

Max Eigenvalue: 3.136

Consistency Index (CI): 0.068

Consistency Ratio (CR): 0.117

Random Index (RI): 0.58

## Engineer 2

Pairwise Comparison Matrix:  
[[1. 1. 1. ]  
 [1. 1. 3. ]  
 [1. 0.333 1. ]]

Weights:  
[0.319, 0.46, 0.221]

Max Eigenvalue: 3.136

Consistency Index (CI): 0.068

Consistency Ratio (CR): 0.117

Random Index (RI): 0.58

## Engineer 3

Pairwise Comparison Matrix:  
[[1. 3. 1. ]  
 [0.333 1. 3. ]  
 [1. 0.333 1. ]]

Weights:  
[0.46, 0.319, 0.221]

Max Eigenvalue: 3.561

Consistency Index (CI): 0.28

Consistency Ratio (CR): 0.483

Random Index (RI): 0.58

## Engineer 4

Pairwise Comparison Matrix:  
[[1. 1. 1.]  
 [1. 1. 1.]  
 [1. 1. 1.]]

Weights:  
[0.333, 0.333, 0.333]

Max Eigenvalue: 3.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 0.58

## Engineer 5

Pairwise Comparison Matrix:  
[[1. 1. 1.]  
 [1. 1. 1.]  
 [1. 1. 1.]]

Weights:  
[0.333, 0.333, 0.333]

Max Eigenvalue: 3.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 0.58

## Engineer 6

Pairwise Comparison Matrix:  
[[1. 1. 1.]  
 [1. 1. 1.]  
 [1. 1. 1.]]

Weights:  
[0.333, 0.333, 0.333]

Max Eigenvalue: 3.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 0.58

## Engineer 7

Pairwise Comparison Matrix:  
[[1. 1. 1.]  
 [1. 1. 1.]  
 [1. 1. 1.]]

Weights:  
[0.333, 0.333, 0.333]

Max Eigenvalue: 3.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 0.58

## Engineer 8

Pairwise Comparison Matrix:  
[[1. 9. 5. ]  
 [0.111 1. 0.111]  
 [0.2 9.001 1. ]]

Weights:  
[0.711, 0.046, 0.243]

Max Eigenvalue: 3.295

Consistency Index (CI): 0.147

Consistency Ratio (CR): 0.254

Random Index (RI): 0.58

## Engineer 9

Pairwise Comparison Matrix:  
[[1. 3. 1. ]  
 [0.333 1. 5. ]  
 [1. 0.2 1. ]]

Weights:  
[0.449, 0.369, 0.182]

Max Eigenvalue: 3.872

Consistency Index (CI): 0.436

Consistency Ratio (CR): 0.751

Random Index (RI): 0.58

## Engineer 10

Pairwise Comparison Matrix:  
[[1. 1. 1.]  
 [1. 1. 1.]  
 [1. 1. 1.]]

Weights:  
[0.333, 0.333, 0.333]

Max Eigenvalue: 3.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 0.58

## Engineer 11

Pairwise Comparison Matrix:  
[[1. 3. 1. ]  
 [0.333 1. 3. ]  
 [1. 0.333 1. ]]

Weights:  
[0.46, 0.319, 0.221]

Max Eigenvalue: 3.561

Consistency Index (CI): 0.28

Consistency Ratio (CR): 0.483

Random Index (RI): 0.58

## Engineer 12

Pairwise Comparison Matrix:  
[[1. 1. 0.2]  
 [1. 1. 1. ]  
 [5. 1. 1. ]]

Weights:  
[0.177, 0.304, 0.519]

Max Eigenvalue: 3.295

Consistency Index (CI): 0.147

Consistency Ratio (CR): 0.254

Random Index (RI): 0.58

## Engineer 13

Pairwise Comparison Matrix:  
[[1. 3. 3. ]  
 [0.333 1. 5. ]  
 [0.333 0.2 1. ]]

Weights:  
[0.567, 0.323, 0.11]

Max Eigenvalue: 3.295

Consistency Index (CI): 0.147

Consistency Ratio (CR): 0.254

Random Index (RI): 0.58

## Engineer 14

Pairwise Comparison Matrix:  
[[1. 3. 1. ]  
 [0.333 1. 1. ]  
 [1. 1. 1. ]]

Weights:  
[0.46, 0.221, 0.319]

Max Eigenvalue: 3.136

Consistency Index (CI): 0.068

Consistency Ratio (CR): 0.117

Random Index (RI): 0.58

## Engineer 15

Pairwise Comparison Matrix:  
[[1. 1. 1.]  
 [1. 1. 1.]  
 [1. 1. 1.]]

Weights:  
[0.333, 0.333, 0.333]

Max Eigenvalue: 3.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 0.58

## Engineer 16

Pairwise Comparison Matrix:  
[[1. 1. 1.]  
 [1. 1. 1.]  
 [1. 1. 1.]]

Weights:  
[0.333, 0.333, 0.333]

Max Eigenvalue: 3.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 0.58

## Engineer 17

Pairwise Comparison Matrix:  
[[1. 1. 1.]  
 [1. 1. 1.]  
 [1. 1. 1.]]

Weights:  
[0.333, 0.333, 0.333]

Max Eigenvalue: 3.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 0.58

## Engineer 18

Pairwise Comparison Matrix:  
[[1. 1. 1.]  
 [1. 1. 1.]  
 [1. 1. 1.]]

Weights:  
[0.333, 0.333, 0.333]

Max Eigenvalue: 3.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 0.58

## Engineer 19

Pairwise Comparison Matrix:  
[[1. 1. 1.]  
 [1. 1. 1.]  
 [1. 1. 1.]]

Weights:  
[0.333, 0.333, 0.333]

Max Eigenvalue: 3.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 0.58

## Engineer 20

Pairwise Comparison Matrix:  
[[1. 5. 1. ]  
 [0.2 1. 1. ]  
 [1. 1. 1. ]]

Weights:  
[0.519, 0.177, 0.304]

Max Eigenvalue: 3.295

Consistency Index (CI): 0.147

Consistency Ratio (CR): 0.254

Random Index (RI): 0.58

## Engineer 21

Pairwise Comparison Matrix:  
[[1. 1. 1.]  
 [1. 1. 1.]  
 [1. 1. 1.]]

Weights:  
[0.333, 0.333, 0.333]

Max Eigenvalue: 3.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 0.58

## Engineer 22

Pairwise Comparison Matrix:  
[[1. 1. 1.]  
 [1. 1. 1.]  
 [1. 1. 1.]]

Weights:  
[0.333, 0.333, 0.333]

Max Eigenvalue: 3.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 0.58

## Engineer 23

Pairwise Comparison Matrix:  
[[1. 1. 3. ]  
 [1. 1. 3. ]  
 [0.333 0.333 1. ]]

Weights:  
[0.429, 0.429, 0.143]

Max Eigenvalue: 3.0

Consistency Index (CI): -0.0

Consistency Ratio (CR): -0.0

Random Index (RI): 0.58

## Engineer 24

Pairwise Comparison Matrix:  
[[1. 1. 1.]  
 [1. 1. 1.]  
 [1. 1. 1.]]

Weights:  
[0.333, 0.333, 0.333]

Max Eigenvalue: 3.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 0.58

## Engineer 25

Pairwise Comparison Matrix:  
[[1. 3. 1. ]  
 [0.333 1. 1. ]  
 [1. 1. 1. ]]

Weights:  
[0.46, 0.221, 0.319]

Max Eigenvalue: 3.136

Consistency Index (CI): 0.068

Consistency Ratio (CR): 0.117

Random Index (RI): 0.58

## Engineer 26

Pairwise Comparison Matrix:  
[[1. 3. 3. ]  
 [0.333 1. 3. ]  
 [0.333 0.333 1. ]]

Weights:  
[0.584, 0.281, 0.135]

Max Eigenvalue: 3.136

Consistency Index (CI): 0.068

Consistency Ratio (CR): 0.117

Random Index (RI): 0.58

## Engineer 27

Pairwise Comparison Matrix:  
[[1. 1. 1.]  
 [1. 1. 1.]  
 [1. 1. 1.]]

Weights:  
[0.333, 0.333, 0.333]

Max Eigenvalue: 3.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 0.58

## Engineer 28

Pairwise Comparison Matrix:  
[[1. 1. 1.]  
 [1. 1. 1.]  
 [1. 1. 1.]]

Weights:  
[0.333, 0.333, 0.333]

Max Eigenvalue: 3.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 0.58

## Engineer 29

Pairwise Comparison Matrix:  
[[1. 5. 3. ]  
 [0.2 1. 5. ]  
 [0.333 0.2 1. ]]

Weights:  
[0.637, 0.258, 0.105]

Max Eigenvalue: 3.521

Consistency Index (CI): 0.26

Consistency Ratio (CR): 0.449

Random Index (RI): 0.58

## Engineer 30

Pairwise Comparison Matrix:  
[[1. 1. 1.]  
 [1. 1. 1.]  
 [1. 1. 1.]]

Weights:  
[0.333, 0.333, 0.333]

Max Eigenvalue: 3.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 0.58

## Engineer 31

Pairwise Comparison Matrix:  
[[1. 1. 1.]  
 [1. 1. 1.]  
 [1. 1. 1.]]

Weights:  
[0.333, 0.333, 0.333]

Max Eigenvalue: 3.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 0.58

## Engineer 32

Pairwise Comparison Matrix:  
[[1. 0.111 0.143]  
 [9.001 1. 0.111]  
 [6.998 9.001 1. ]]

Weights:  
[0.048, 0.191, 0.761]

Max Eigenvalue: 3.704

Consistency Index (CI): 0.352

Consistency Ratio (CR): 0.607

Random Index (RI): 0.58

## Engineer 33

Pairwise Comparison Matrix:  
[[1. 1. 0.333]  
 [1. 1. 1. ]  
 [3. 1. 1. ]]

Weights:  
[0.221, 0.319, 0.46]

Max Eigenvalue: 3.136

Consistency Index (CI): 0.068

Consistency Ratio (CR): 0.117

Random Index (RI): 0.58

## Engineer 34

Pairwise Comparison Matrix:  
[[1. 1. 1.]  
 [1. 1. 1.]  
 [1. 1. 1.]]

Weights:  
[0.333, 0.333, 0.333]

Max Eigenvalue: 3.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 0.58

## Engineer 35

Pairwise Comparison Matrix:  
[[1. 1. 1.]  
 [1. 1. 1.]  
 [1. 1. 1.]]

Weights:  
[0.333, 0.333, 0.333]

Max Eigenvalue: 3.0

Consistency Index (CI): 0.0

Consistency Ratio (CR): 0.0

Random Index (RI): 0.58

## Aggregate Results

Aggregate Pairwise Comparison Matrix:  
[[1. 1.063 1.13 1.201 1.063 1.162 1.094]  
 [0.941 1. 1. 1. 1. 1. 1.063]  
 [0.885 1. 1. 1.063 1. 1. 1.063]  
 [0.833 1. 0.941 1. 1.063 1. 1.063]  
 [0.941 1. 1. 0.941 1. 1.063 1.13 ]  
 [0.86 1. 1. 1. 0.941 1. 1.063]  
 [0.914 0.941 0.941 0.941 0.885 0.941 1. ]]

Aggregate Weights:  
[0.157, 0.143, 0.143, 0.14, 0.144, 0.14, 0.134]

Aggregate Max Eigenvalue: 7.004

Aggregate Consistency Index (CI): 0.001

Aggregate Consistency Ratio (CR): 0.001

Aggregate Random Index (RI): 1.32