**Table of Contents**

|  |  |  |  |
| --- | --- | --- | --- |
| Chapter No. | Topics | | Page No. |
| 1 | Background | | 1 |
|  | 1.1 | What is Elasticsearch and its Background? | 2 |
|  | 1.2 | Why Use Elasticsearch? | 3 |
| 2 |  | Current Status | 4 |
|  | 2.1 | Current Status Introduction | 5 |
| 3 |  | Technical Issues | 6 |
|  | 3.1 | Key Challenges | 7 |
| 4 |  | Solutions | 6 |
|  | 4.1 | Data Load | 8 |
|  | 4.2 | Standardization | 11 |
|  | 4.3 | Pooling | 24 |
|  | 4.4 | Scoring | 25 |
|  | 4.5 | Calibration | 26 |
|  | 4.6 | Clustering | 27 |
|  | 4.7 | Inquiry | 28 |
|  | 4.8 | Enrichment | 30 |
|  | 4.9 | Bureau Run | 32 |
|  | 4.10 | Bureau and ES Enrichment | 33 |
|  | 4.11 | Technical Specification | 36 |
|  | 4.12 | Elasticsearch setup | 36 |
|  | 4.13 | Kopf | 38 |
|  | 4.14 | Sample Codes | 40 |
|  | Conclusion and Future Scope | |  |