**INDEX**

|  |  |  |
| --- | --- | --- |
| Sr No. | Topic | Page No. |
| 1. | Introduction | 1 |
| 2. | Definition | 2 |
| 3. | Nature of Sensors | 2 |
| 4. | Usefulness of silicon Technology in Smart Sensor | 3 |
| 5. | Different Silicon Sensor Employing Above Effects | 4 |
| 6. | Improvement in characteristics | 7 |
| 7. | General Architecture of Smart Sensor | 7 |
|  | 7.1 Function with Electronics | 9 |
|  | 7.2 Level of integration | 10 |
| 8 | Anodic bonding | 11 |
| 9 | Temperature Sensor | 12 |
| 10 | Porous Silicon –Sensor And future Applications | 13 |
| 11 | Porous silicon biosensors for DNA sensing | 14 |
| 12 | Biometric Market Forecasts | 17 |
| 13 | Detection | Smart Pixel Arrays | 18 |
| 14 | Introduction to MEMS Devices | 18 |
| 15 | Security, Privacy and Risk Management | 19 |
| 16 | Sensor Materials, Technologies and Application | 20 |
| 17 | Static characteristics of Sensor | 20 |
| 18 | Dynamic characteristics of Sensor | 21 |
| 19 | Digital Sensor | 22 |
| 20 | Conclusion | 25 |
| 21 | Reference | 25 |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |