

## Solution requirements (functional and non- functional)

Date	02 NOVEMBER 2025
Team ID	NM2025TMID04781
Project Name	Streamlining Ticket Assignment for Efficient Support Operations
Maximum Mark	4 Marks

### Functional Requirements

S.no	Requirement	Description
1	Automatic Ticket Assignment	The system automatically assigns tickets to agents based on skill set, workload, and availability.
2	Priority Handling	Tickets are prioritized based on urgency, SLA, and customer impact.
3	Manual Reassignment	Managers and admins can manually reassign tickets when needed.
4	Agent Availability Tracking	The system tracks agent status (online, busy, offline) for optimal assignment.
5	Notification System	Sends real-time alerts to agents and managers for new, reassigned, or escalated tickets.
6	Performance Dashboard	Displays metrics such as ticket volume, response time, and resolution rate.
7	Audit & Tracking	Maintains detailed logs of all ticket assignments and changes for compliance.

### Non-Functional Requirements

S. no	Requirement	Description
1	Performance	The system should process ticket assignments with minimal latency. Supports increasing numbers of users, agents, and tickets without
2	Scalability	degradation.
3	Reliability	Ensures 99.9% uptime for continuous support operations.
4	Usability	The interface should be simple, intuitive, and user-friendly.

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|--------------------------|-----------------|---|
| 5                        | Security        | Implements encryption and access control to protect user and ticket data. |
| 6                        | Maintainability | Should allow easy updates, configuration, and maintenance.                |
| <b>S. no Requirement</b> |                 | <b>Description</b>  |
| 7                        | Compatibility   | Works across browsers, devices, and operating systems.                    |