# MILESTONES & DELIVERY SCHEDULE

This section outlines the key milestones and deliverables for the successful execution and completion of the project. The delivery process is structured to ensure a systematic approach, with most development occurring outside the secured zone, followed by deployment. Each milestone includes development, testing, and bug-fixing phases to guarantee the highest quality standards.

**Phase 1**

* **Under Progress - 1st February to 12th March 2025 (40 days)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Phase 1** | **Tasks/Deliverables** | **Effort (in days)** | **Status/**  **Expected Date** |
| *Planning & Requirement Gathering* | |  | | --- | | *Define project scope, gather requirements, feasibility analysis* |  |  | | --- | |  | | *10 days* | *Completed* |
| |  | | --- | | ***Design & Prototyping*** |  |  | | --- | |  | | *UX design and system architecture* | *10 days* | *Completed* |
| *System setup* | |  | | --- | | *Backend & frontend and database setup* |  |  | | --- | |  | | *5 days* | *Completed* |
| *User Registration & Role based access control* | *Enable secure sign-up, profile creation, and verification for users.*  *Define different user roles (Admin, Moderator, Analyst, Viewer, etc.) with specific permissions.* | *5 days* | *Completed* |
| *Client management* | *Maintain a structured database of clients, allowing account creation, assignment, and monitoring.* | *10 days* | *In-progress* |

**Phase 1 - 13th March to 4th May 2025 (45 days)**

* **Under Progress - Telegram & YouTube (With AI & Without Training)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Phase 1** | **Feature** | **Effort (in days)** | **Status/**  **Expected Date** |
| *Telegram & YouTube (Without Training)* | *Information Scraping – Public Data Extraction (text from public profiles, comments, hashtags, video descriptions)*  *Network Expansion - Joining Invitation-Based Groups*  *Storing Scraped Data in MongoDB*  *Watchlist Creation & User Tracking*  *Passive Bot Monitoring of Groups*  *Search: Keyword/Hashtags based*  *Unique id retrieval*  *Specific Channel Analytics: Based on the playlist for YouTube*  *User Profile Summary (AI)*  *Sentiment Analysis (AI)*  *Named Entity Recognition – NER (AI)*  *Topic Detection (AI)*  *Semantic Search -Identifying keywords/synonyms (AI)*  *Post Incident-Based Analysis (AI)*  *Geo-Based Analysis - if geo-data is available (AI)*  *Multi-language interpretation (Telugu, Urdu, Arabic, Malayalam, Bengali)*   |  | | --- | |  |  |  | | --- | |  | | *30 days* | *Pending* |
| *API* | *Design and develop scalable RESTful/GraphQL APIs, integrate AI-driven analysis, implement authentication (OAuth, JWT, API keys.* | *20 days (parallel)* | *Pending* |
| *QA* | *Integration and User Acceptance Testing (UAT)* | *12 days* | *Pending* |
| *Deployment* | *Deploy on staging & live servers, security checks and Go-Live* | *3 days* | *Pending* |

**Phase 2 - 5th May 2025 to 19th June 2025 (45 days)**

* **Yet to start - Facebook, Instagram, WhatsApp, Twitter (With AI & Without Training)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Phase 2** | **Feature** | **Effort (in days)** | **Status/**  **Expected Date** |
| *Facebook, Instagram, WhatsApp, Twitter (Without Training)* | *Information Scraping (Public Data Extraction or user specific extraction)*  *Search: Keyword/Hashtags based*  *Watchlist Creation & User Tracking*  *Scraping Open Information (Bio, Profile Details)*  *Network Analysis (Fetching Contacts & Building Graph)*  *Analyzing Likes, Comments, Shares, Emojis*  *Identifying Bots & Fake Profiles Based on Engagement*  *Unique id retrieval*  *User Profile Summary (AI)*  *Sentiment Analysis (AI)*  *Named Entity Recognition – NER (AI)*  *Topic Detection (AI)*  *Semantic Search -Identifying keywords/synonyms (AI)*  *Post Incident-Based Analysis (AI)*  *Geo-Based Analysis - if geo-data is available (AI)*  *Multi-language interpretation (Telugu, Urdu, Arabic, Malayalam, Bengali)* | *30 days* | *Pending* |
| *QA* | *Integration and User Acceptance Testing (UAT)* | *12 days* | *Pending* |
| *Deployment* | *Deploy on staging & live servers, security checks and Go-Live* | *3 days* | *Pending* |

**Phase 3 – Goes parallel with Phase 1 & 2**

* **Yet to start - Telegram, YouTube, FB, Insta, Twitter, WhatsApp (AI Training)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Phase 3** | **Feature** | **Effort (in days)** | **Status/**  **Expected Date** |
| *Phase 3: Telegram, YouTube, FB, Insta, Twitter, WhatsApp (With Training)* | *Predictive Intelligence & Pattern Analysis (AI)*  *Automated De-Radicalization Mechanism (AI)*  *Impact Measurement & Scoring: Behavioral Risk Profiling (AI)*  *Link Analysis: User Relationship & Network Mapping (AI)*  *Advanced Geo-Based Analysis (AI)*  *Advanced Topic Detection (AI) Without Human Input*  *Multimedia Analysis: Speech-to-Text, Video & Image Analysis (AI)*  *Attachment-Based Analysis: PDF, Docs, Media (AI)*  *Identify the rate at which issues are being created (AI)*  *Similar nature posts among the watch list and categorizing as a possible single profile (AI)* | *30 days* | *Pending* |
| *Brand Protection (With Training)* | *Brand Protection (Open-Source Scraping & Monitoring)*  *Brand Threat Prediction & Early-Warning System (AI)* | *10 days* |  |
| *Deployment* | *Deploy on staging & live servers, security checks and Go-Live* | *3 days* | *Pending* |

**Summary:**

* **Phase 1 (Telegram & YouTube)** → Uses OpenAI API(pre trained LLM’s) & non-AI features (Scraping, Monitoring, Sentiment, NER, Topic Detection).
* **Phase 2 (FB, Insta, WhatsApp, Twitter)** → Expands on Phase 1 with non-AI features like network graphs, bot detection, and social engagement analysis.
* **Phase 3 (All Platforms)** → Requires **custom AI model training** for **predictive intelligence, multimedia analysis, automated de-radicalization, impact scoring, and link analysis.**
* **Phase 3 (Brand Protection)**: Basic monitoring falls under Phase 1 or 2, but **AI-driven threat prediction** falls under **Phase 3**.