**Project design phase-II**

**Requirement Analysis (Functional, Operational, Technical) / Flow Charts**

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| **TEAM LEAD** | **M.DINESH** |
| **NM ID** | **8E2B4970F2F803A9B084E092E573C2AC** |
| **PROJECT NAME** | **Creating a sponsored post for Instagram** |

**FUNCTIONAL REQUIREMENTS**

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| **S.NO** | **Functional Requirements** | **Requirement Description** |
| 1. | User Authentication: | Users should be able to log in using their Instagram accounts. |
| 2. | Content Creation | Users can create and design Instagram posts with images, captions, and other elements. |
| 3. | Content Scheduling: | The ability to schedule posts to be published at a specified date and time. |
| 4. | Hashtag Management: | Users can select and manage relevant hashtags for their posts.. |
| 5. | Analytics: | Users can access post performance metrics like likes, comments, and engagement.. |
| 6. | Payment Processing: | If applicable, the system should support payment for sponsored posts. |

**OPERATIONAL REQUIREMENTS**

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| **S.NO** | **Operational Requirements** | **Requirement Description** |
| 1. | Uptime and Reliability: | The system should be available and reliable during peak usage times. |
| 2. | Scalability: | : The ability to handle an increasing number of users and posts. |
| 3. | Data Privacy and Security: | Ensuring user data and content are secure and comply with privacy regulations |
| 4. | Support and Maintenance: | Plan for regular updates, maintenance, and testing. |
| 5. | User Training: | Align the landing page with the overall content strategy. |

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| **S.NO** | **Technical Requirements** | **Requirement Description** |
| 1. | **PlatFORM** | The system must be compatible with Instagram's API and interface. |
| 2. | **Database**: | Selection of an appropriate database for storing user data and post content. |
| 3. | **HostinG Environment**: | Whether the project will be hosted on a cloud platform or dedicated servers |
| 4. | **Programming Language**: | The choice of programming languages and frameworks for development. |
| 5. | **API Integration**: | Integration with Instagram's API for post scheduling and analytics. |
| 6. | **Security Measures**: | Implementing encryption, access controls, and other security measures.. |

**TECHNICAL REQUIREMENTS**

**FLOW CHARTS**

Analytics (Feedback and reporting)

Content Scheduling(Payment Processing)

Hashtag Selection(Target Audience)

User authentication(Content creation)