

# Abstract

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## IdeaWeave

*The CMS to elevate your idea from a spark to spectacle*

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Reg. MCA (2022-2024) B

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## **I. Abstract**

IdeaWeave is a content management system with emphasis on content distribution and user retention using dynamic recommendation and a credit system. It aims to be a user-friendly platform to empower creators to reach their target audience.

## **II. Key Modules**

1. Admin
2. Users
  - a. Readers
  - b. Writers
  - c. Reviewers

### Admin:

IdeaWeave provides admin with comprehensive tools for managing user account, moderating published contents, overseeing the organization and structure of the platform and ensuring smooth operation. They play a crucial role in maintaining the integrity and security of the system, as well as optimizing the user experience for both content creators and consumers.

### Reader:

IdeaWeave ensures the best user experience for the readers, enabling them to enjoy the published contents which they can add to their personal library. They are given a wide variety of content with regionalized recommendation to suite their taste and optimized search using categories and tags to find their next best read. Readers are allowed to suggest tags for the works which the writers can approve to be added. They also receive credits for their read time, daily check-in and for viewing advertisement which they can use for discounts in subscription and merchandise available and also to support their favorite writer. They can also comment and recommend works as well as engage in the forum to explore and discover entertaining works.

### Writers:

Writers are the primary content creators who produces high-quality content for the many readers. Hence, IdeaWeave offers great incentives and a platform for growth for the writers. Some of the incentives include royalties, content ownership, content promotion, forum interactions and special training in order to pave way for their exploration of creativity and growth as a content creator. They are given credits based on user engagement for their work as well as consistency in publishing which could ultimately result in permanent employment by upgrading their rank. Writers can also use the credits to advertise their works or receive discounts in subscription. They can also submit for review to ensure an error free and well-structured result. They can also schedule their work to be published at a time of their choosing. Writers can also opt to machine translate their work and submit for review to expand their user base. Upon reaching a particular

user base or spending appropriate credit, they can also add merchandise to the store for generating additional revenue.

#### Reviewers:

They are curated readers who has necessary skills to proof read the works submitted for review. A reviewer can highlight error and recommend corrections which is later either accepted or referenced by the writer before publishing. They are given a per-project pay or volume-based compensation. They can also receive credits for their consistency, quality of work and the number of works they reviewed in a given time. The credits can be used to increase their rank which subsequently increase their pay and can ultimately gain them permanent employment.

### **III. Functionalities in IdeaWeave**

#### All User functionalities

1. Registration
2. Login and Reset/Forgot Password
3. Dashboard
4. Profile management
5. Forum
6. Credit tracking
7. Comments
8. Recommendation Page (Regionalized and author)
9. Notification
10. Free Use and Subscription
11. Achievements
12. Store

#### Admin Module

1. User Management
2. Content monitoring
3. Reviewer and Writer approval
4. Communication and support
5. User engagement monitoring
6. Alerts and Announcements
7. User Roles and Permissions
8. E-commerce Management
9. Customization
10. Recommendation optimization
11. Credit moderation

### Reader Module

1. Search and discovery
2. Personal Library
3. Library customization
4. Read History
5. Read Time monitoring
6. Daily Check-in reward
7. Suggest Tags
8. Generalized search
9. Order tracking
10. Mobile App

### Writer Module

1. Content Creation
2. Formatting tools
3. Drafts and revisions
4. Submit for review
5. Content Preview
6. Schedule Publishing
7. Content Translation
8. Content Categorization and tagging
9. Advertisement
10. Add Merchandise
11. Writer ranking
12. Royalties and employment
13. Auto Publish
14. Sale tracking

### Reviewer Module

1. Content review and highlight correction
2. Drafts and revisions
3. Suggest categories and tags
4. Reviewer ranking
5. Per-project pay and employment
6. Advertisement

## **IV. Software Specification**

Front-End: React.js

Back-End: Node.js

## **V. Functionalities to be implemented in Mini Project (S3)**

### **All Users**

1. Registration
2. Login and Reset/Forgot Password
3. Dashboard
4. Profile management
5. Forum
6. Comments
7. Recommendation
8. Free Use and Subscription
9. Credit tracking

### **Admin**

1. User Management
2. Content monitoring
3. Communication and support
4. Credit moderation
5. Customization

### **Writer**

1. Content Creation
2. Formatting tools
3. Drafts and revisions
4. Submit for review
5. Content Preview
6. Schedule Publishing
7. Content Categorization and tagging
8. Content Translation

### **Reader**

1. Search and discovery
2. Personal Library
3. Read History
4. Read Time monitoring
5. Suggest Tags

### **Reviewer**

1. Content review and highlight correction
2. Drafts and revisions
3. Suggest categories and tags

## **VI. Functionalities to be implemented in Main Project (S4)**

### **All User**

1. Regionalized and author recommendation
2. Notification
3. Achievements
4. Store

### **Admin**

1. Reviewer and Writer approval
2. User engagement monitoring
3. User Roles and Permissions
4. Alerts and Announcements
5. E-commerce Management
6. Recommendation optimization

### **Reader**

1. Daily Check-in reward
2. Generalized search
3. Library customization
4. Product search
5. Order tracking
6. Mobile App

### **Writer**

1. Advertisement
2. Add Merchandise
3. Writer ranking
4. Royalties and employment
5. Auto Publish
6. Sale tracking

### **Reviewer**

1. Reviewer ranking
2. Per-project pay and employment
3. Advertisement