

## Digital Library Federation Website

DLF  
Washington DC, U.S.A

**Proposal**  
**Version: 1.0**

### Revision History Record

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1	1	Naidu		Reddy / Issac	Shyam			2 <sup>nd</sup> July 2008	

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## **1. SECTION I – VENDOR PROFILE**

### **1.1 Company Details**

Company Name: Symbiosys Technologies

Business License Number: business Tax ID # 352294183

Jurisdiction in which we are licensed to do business: Our firm is a Texas corporation company and licensed to do business in U.S.A. We are also an Export Oriented Unit in India and can undertake off-shore development services.

#### **Office Address in U.S.A:**

1231 Greenway Drive,  
Suite 990,  
Irving TX 75038  
U.S.A  
Phone: 817-771-9639

#### **Main Office and Head Quarters:**

2D Balaji Mangalagiri Chambers,  
Siripuram,  
Visakhapatnam 530 003  
INDIA  
Ph: +91 891 2550369  
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#### **Offshore Development Center:**

IT Park, Hill No:2, Rushikonda  
Visakhapatnam  
INDIA  
Ph: +91 891 6459144

Website: [www.symbiosystech.com](http://www.symbiosystech.com)

### **1.2 Primary Contact**

#### **USA**

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Title: Business Manager

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#### **INDIA**

Name: Shyam K Kolluru

Title: Vice President – Business Development

Phone: +91 99635 97793

eMail: [shyamkolluru@symbiosystech.com](mailto:shyamkolluru@symbiosystech.com)

### **1.3 Corporate Overview**

No of Employees: 250

Years Of operation: 7

Size of Business: USD 3 Million

More details can be found in the annexure

## **2. SECTION II – TECHNICAL ENVIRONMENT**

### **2.1 Project Plan and schedule**

We are proposing for the work of website development to be undertaken from our offshore development center in India as we feel this is a cost competitive solution for our DLF.

We have to our list Fortune 500 clients in Google, Bank of America, Fidelity and Bearing Point as well apart from several SME customers as well.

The below mentioned Project deliverables not only outline the tasks but also the ball park estimated hours for the website development which would happen from our development center in India. However the support would take place from our Irving, TX office itself. This Irving, TX office is not just a mere sales office but we have Technical resources who attend to client calls.

We are an ISO 9001:2000 and CMMiLevel 3 certified company which ensure the practiced predictable processes result in proper documentation at all stages of the website development life cycle.

The detailed break down of the total estimated hours from the information provided in the RFP are enclosed down below.

#### **2.1.1 Response to the Requirements**

##### **0. Development & Support**

0.1. The site shall be developed using open source technology.

**Symbiosys Response:** Yes, PHP, MySql

0.2. Any development and documentation done for this site shall be made available to the whole community under a standard open source license.

**Symbiosys Response:** Yes, it will be made available

0.3. The respondent may offer web hosting services, if available, but DLF shall be free to ask them to develop the site only and use alternative web hosting.

**Symbiosys Response:** Hosting will be done on Speakeasy dedicated hosting solution.

0.4. The respondent shall describe the hosting solution that will accommodate a load greater than that of the current site.

0.4.1. The website shall have room for at least 30,000 files weighing in at 2GB, but estimated to grow at a rate of roughly 1GB (15,000 files) per year for the next five years.

**Symbiosys Response:**

Site will have a dedicated hosting with 250gb (Raid1) space.

0.4.2. The website shall handle at least 75,000 sessions generating about 300,000 page views per month.

**Symbiosys Response:** Not a problem

0.4.3. The website shall be able to transfer at least 25GB per month.

**Symbiosys Response:**

Site will have monthly bandwidth of 500GB per month.

0.5. The respondent shall offer ongoing technical support to DLF, although DLF is free to obtain these services from any other provider.

**Symbiosys Response:**

Technical support will be billed at an hourly rate of \$85.

0.6. The new site shall be able to co-exist with a frozen version of the existing site to facilitate the resolution of existing references. [desirable]

**Symbiosys Response:** Yes we agree for this

0.7. The site shall be backed up at least daily and files from backups shall be available to DLF staff as needed.

**Symbiosys Response:**

Hosting solution will provide daily backups, and will be accessible by DLF and DLF designated support staff. Backup space is 100gb for daily backups.

0.8. The site shall be designed to resist attacks on the server, such as cross site scripting, SQL injection, and URL poisoning.

**Symbiosys Response:**

Cisco ASA -5505 will be used for firewall on the dedicated hosting solution.

## **1. Content**

1.1. Content of the site shall be well separated from design to facilitate editing of the content without concern for the design. (E)

**Symbiosys Response:** Yes it would be done like this only

1.1.1. The site shall make use of industry standards such as CSS and shall be viewable with full features on all modern browsers including Firefox 2, Safari 3, and IE7.

**Symbiosys Response:** Yes agreed

1.1.2. DLF staff shall have access to the "skin" of the site and authority to edit that skin as needed.

**Symbiosys Response:** Yes agreed

1.2. Content on the site shall have URLs that are persistent enough for embedding into other settings like del.icio.us, digg, and user blogs. (C)

**Symbiosys Response:** Yes agreed

1.3. Content shall be open to web spiders such as Google. (D,F,G)

**Symbiosys Response:** Yes, sure

1.3.1. The site shall be able to generate site maps, page metadata, and other search engine optimizations automatically. [desirable]

**Symbiosys Response:** Yes agreed

1.4. Content of the site shall be editable from any web browser. (E)

**Symbiosys Response:** Yes agreed

1.4.1. When editing, the site shall display date, time and user who last edited each page. (E) [desirable]

**Symbiosys Response:** Yes agreed

1.4.2. The site will respond gracefully to multiple, simultaneous attempts to edit one item.(E) [desirable]

**Symbiosys Response:** Yes, sure

1.5. The site shall accept file uploads. (B,E,L)

**Symbiosys Response:** Yes it will

1.6. The site shall be able to aggregate content made available via RSS. (H)

**Symbiosys Response:** Yes, sure

1.7. The site shall be able to accept comments on selected pages and documents. (B,I)

**Symbiosys Response:** Yes, sure

1.7.1. It shall be possible to attach comments at the paragraph level to designated pages of the site. (B) [desirable]

**Symbiosys Response:** Yes, sure

1.8. It shall be possible for multiple users to jointly edit designated pages of the site as wiki pages. (B)

**Symbiosys Response:** Yes this functionality is possible

1.8.1. Wiki pages shall keep a history of changes made and be able to roll back to prior versions.

**Symbiosys Response:** Yes this functionality is possible

1.9. Users shall be able to tag each page of the site with multiple terms. (J) [desirable]

**Symbiosys Response:** Yes, sure

1.10. The site shall be able to “freeze” certain content into an archival form that no longer accepts comments or editorial changes. (J) [desirable]

**Symbiosys Response:** Yes, sure

1.11. Newsreaders shall be able to subscribe to updates of changes to the content within designated areas of the site. (A,C,E,H) [desirable]

**Symbiosys Response:** Yes, sure

## **2. Structure**

2.1. The site shall have a clearly designated area for DLF Forum information. (A,E,F)

**Symbiosys Response:** Yes it would have

2.2. The site shall allow for the creation of designated group areas. (B,C,D,I,J)

**Symbiosys Response:** Yes agreed

2.3. The site shall include a contacts area with information about DLF. (G)

**Symbiosys Response:** Yes, sure

2.4. Each group area shall include a contacts page with information about members of that group. (C) [desirable]

**Symbiosys Response:** Yes, sure

2.5. The site shall include a public relations area with general information about the organization(K)

**Symbiosys Response:** Yes, sure

2.6. The site shall include an opinions area to aggregate blog content from around DLF. (H) [desirable]

2.6.1. Aggregated blog entries shall include links back to native platforms. (H)

**Symbiosys Response:** Yes, sure

2.7. The site shall present a sidebar for navigation. (H) [desirable]

**Symbiosys Response:** Sure

2.8. The site shall clearly designate archival or non-active content. (J)

**Symbiosys Response:** Sure

2.9. The site shall provide a workflow for managing DLF Forum information. (E) [desirable]

2.9.1. Data gathered as users propose sessions shall be maintained and enhanced as sessions are accepted and presented. (E) [desirable]

**Symbiosys Response:** Sure

2.9.2. Data gathered to describe forum shall be used to enhance information about individual and institutional interests. (E, K) [desirable]

**Symbiosys Response:** Sure

### **3. Users**

3.1. It shall be possible to register users of the DLF site. (A,B,E,I)

3.1.1. It shall be possible for users to register themselves on the DLF site.

**Symbiosys Response:** Yes of course as the User Privileges would be used

3.1.2. It shall be possible for users to register for the DLF site with an OpenID. [desirable]

**Symbiosys Response:** Sure

3.2. It shall be possible to distinguish staff from non-staff users of the site. (E,J,L)

**Symbiosys Response:** Sure

3.3. It shall be possible to distinguish between member and non-member users of the site. (A,B)[desirable]

**Symbiosys Response:** Sure this would be done even though desirable

3.4. It shall be possible to assign each user to any number of groups on the site. (B,I)

**Symbiosys Response:** Sure

3.5. Designated administrators of group areas shall have the authority to assign users to their own groups. [desirable]

**Symbiosys Response:** Sure

3.6. It shall be possible to designate "super-users" with full access to all areas of the site. (J)

**Symbiosys Response:** Sure



3.7. Each user shall have a profile on the site to be referenced from various contacts pages.

(C,G) [desirable]

**Symbiosys Response:** Sure

#### **4. Security**

4.1. Areas of the site with access limited to a certain set of users shall require user registration. (B,I)

**Symbiosys Response:** Sure

4.2. Group areas of the site shall include at least three levels of access for their content: (B,C,D,I)

4.2.1. It shall be possible to make content public, for all to see; (C,D)

**Symbiosys Response:** Yes, sure

4.2.2. It shall be possible to make content members-only, so that only registered users who are members or who are assigned to the group can see it; [desirable]

**Symbiosys Response:** Yes, sure

4.2.3. It shall be possible to make content private, so that only registered users who are assigned to that group can see it. (B,I)

**Symbiosys Response:** Yes, sure

4.3. Wiki areas of the site shall include at least two levels of access: (B)

4.3.1. It shall be possible to make wiki pages public, so that any registered user can edit the pages.

**Symbiosys Response:** Yes, sure

4.3.2. It shall be possible to make wiki pages members-only, so that only registered users who are members or who are assigned to that group can edit the pages; [desirable]

**Symbiosys Response:** Yes, sure

4.3.3. It shall be possible to make wiki pages private, so that only registered users who are assigned to that group can edit the pages. (B,I)

**Symbiosys Response:** Yes, sure

4.4. The ability to leave comments on the site shall include at least three access levels: (B,D,I)

4.4.1. It shall be possible to make commentary public, for all to create and see; (D)

**Symbiosys Response:** Sure

4.4.2. It shall be possible to make commentary members-only, so that only registered users who are members or who are assigned to that group can create and see it; [desirable]

**Symbiosys Response:** Sure

4.4.3. It shall be possible to make commentary private, so that only registered users who are assigned to that group can create and see it. (B,I)

**Symbiosys Response:** Sure

- 4.5. There shall be at least two classes of tags: (J) [desirable]  
4.5.1. There shall be tags that can be entered by any

user;

**Symbiosys Response:** Sure

- 4.5.2. There shall be tags that can only be entered by DLF staff. [desirable]

**Symbiosys Response:** Sure

- 4.5.3. DLF staff shall be able to remove any tag.

**Symbiosys Response:** Sure

## 5. Other requirements

- 5.1. The site shall have the ability to present forms which generate email sent to appropriate DLF staff persons.

**Symbiosys Response:** Sure

- 5.2. The site shall be able to identify orphan pages (pages without any inbound links). [desirable]

**Symbiosys Response:** Sure

- 5.3. The site shall be able to identify stale links (links that point to nowhere). [desirable]

**Symbiosys Response:** Sure

- 5.4. The site shall be responsive, most pages should load in less than two seconds and no page should require more than four seconds to load under reasonable network conditions. [desirable]

**Symbiosys Response:** Sure

- 5.5. The site shall adhere to the web accessibility guidelines of W3.org. [desirable]

- 5.5.1. The site shall provide text alternatives for any non-text content so that it can be changed into other forms people need, such as large print, braille, speech, symbols or simpler language.

**Symbiosys Response:** Yes, Sure

- 5.5.2. Content shall be presentable in different ways (for example, with a simpler skin) without losing information or structure.

**Symbiosys Response:** Yes, Sure

- 5.5.3. The site shall make it easy for users to see content, including separating foreground from background.

**Symbiosys Response:** Yes, Sure

- 5.5.4. The site shall make all functionality available from a keyboard. [desirable]

**Symbiosys Response:** Yes, Sure

- 5.5.5. The site shall provide ways to help users with disabilities navigate, find content and determine where they are.

**Symbiosys Response:** Yes, Sure

- 5.5.6. The site shall make text content readable and understandable (even via screen readers).

**Symbiosys Response:** Yes, Sure

- 5.5.7. The site shall make pages appear and operate in predictable ways.

Symbiosys Response: Yes, Sure

5.5.8. The site shall maximize compatibility with current and future user agents, including assistive technologies.

Symbiosys Response: Yes, Sure

## **2.2 Plan for the Project & Method of Work**

We are proposing for the work of website development to be undertaken from our offshore development center in India as we feel in this is a cost competitive solution for our client DLF.

We have to our list Fortune 500 clients in Google, Bank of America, Fidelity and Bearing Point as well apart from several SME customers as well.

The below mentioned Project deliverables make sure that we would be in a position to deliver the project by **November 15<sup>th</sup>** and we intend to do the development from our development center where we have more than 250 employees.

We are an ISO 9001:2000 and CMMiLevel 3 certified company which ensure the practiced predictable processes result in proper documentation at all stages of the website development life cycle.

### **Requirement Analysis:**

We would deliver a begin to end approach by providing wire frames. These screens would give our customer a look and feel of how the end solution would look like. These prototype screens are also used in the actual development and would enable proper utilization of time. DLF can indicate suggestions and changes at the beginning only rather than waiting for the complete solution to complete.

### **System Requirement Specification:**

In the SRS all the tasks and detailed sub level functions are documented. This would form the basis for the solution and at this stage once the documentation is done the project manager from the client side is also involved for any modifications/suggestions.

### **System Design Document:**

High level design and work flow of the website is captured in the SDD. Work in progress Screenshots are also indicated.

### **Project Management Plan**

A detailed plan highlighting all the activities of the Development Life cycle is indicated along with dates of completion, channels of communication, test cases and deployment options as well.

## **2.3 Proposed Time Line**

We intend to put around 4-5 resources on the project and complete the project in 4 months time.

### **2.4 Description of Technology**

PHP, MySQL

Reasons: Open Source and cost competitive. Since this is a community portal we feel this is the best bet

### **2.5 Description of Software from third parties to be used**

None at this point in time

### **2.6 Hardware and Software requirements of the server where the software will be installed**

Detailed in section 2.8

### **2.7 Hardware and Software requirements of the client using the software**

Clients are just regular desktops with no specific software requirements. If DLF wants to take back up of the data then in one of their existing servers the back up operations can be performed.

### **2.8 Characteristics of the Hosting Service offered or recommended**

Dedicated hosting with 99.9% uptime guarantee. Hosting solution provided by Speakeasy. All hardware failure support is included in the monthly hosting price.

**CPU:** Single Core 2.0 GHz P4

**Memory:** 2gb

**O/S:** Linux CentOS 5

**Hard-Drive:** 2 x 250GB Raid 1 for better fault tolerance.

**Backup:** Daily Backups worth up to 100gb of data.

**Firewall:** Cisco ASA 5505

## **3. SECTION III – Costs**

### **3.1 Software Development**

Total person hours would be around 3000 and \$15/hr is our billing rate. Hence the total would be \$45,000.

Since DLF in the conference call has indicated of not having the luxury of heavy budgets we are ready to do the development for \$12/hr.

**Best Offer: \$36,000**

### **3.2 Monthly Technical Support**

We can do 10-20 hours per month retainer with a charge of \$75 per hour with unused hours being rolled over to the next month. Any extra hours would be billed at \$75 per hour

### 3.3 Monthly Hosting

\$340 per month on a two year contract with no set up fee

### 3.4 Technical Support

Indicated in section 3.2 as outlined above

## 4. SECTION IV – PAST EXPERINCES

### 4.1 Past Similar works

[www.wikibon.org](http://www.wikibon.org) which is done by Symbiosys Technologies is a similar match to the DLF requirement.

However at the below mentioned URL all our previous web portal works are parked. These works are predominantly undertaken from our offshore development facility in India and have been very profitable and successful ones for our clients as well.

<http://www.symbiosystech.com/portfolio/>

### 4.2 Key Personnel with experience:

Name & Role	Qualification	Experience(Years)
Issac – Sr. Project Manager	Masters in Computer Application	8.5
Yogi – Sr. Web Developer	Masters in Computer Applications	7
Suran Naidu – Technical Lead	Masters in Computer Applications	6.5
Reddy – Technical Lead	Bachelors in Engineering	8

## 5. SECTION V – CONTACT INFORMATION – ACCOUNT MANAGER

### 5.1 Contact Details

Name: Shyam K Kolluru

eMail: [shyamkolluru@symbiosystech.com](mailto:shyamkolluru@symbiosystech.com)

Phone: +91 99635 97793(M)

+91 891 6459144 (W)

However for any immediate correspondence our Resident Business Manager - Ven in the U.S can be contacted at 512-699-3565 or on his email [Venkata@tekodynamics.com](mailto:Venkata@tekodynamics.com)

## 6. References

1. David Vallante  
President & CEO  
Barometrix Software Corporation  
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## **Appendix**

- A: Company Profile
- B: Fact Sheet