

## **The Great Mind Challenge - Project Scenario**

<b>1.</b>	<b>Name of the Project</b>	E-Resource Technology
<b>2.</b>	<b>Objective/ Vision</b>	“E-Resource Technology ” is education based website/software , helping students to get all resources & study materials of every courses available. It uses “E-Book” facility. It is reliable & time efficient approach compared to all links of the website provided by any search engine while searching for course materials.
<b>3.</b>	<b>Users of the System</b>	<ul style="list-style-type: none"> <li>A. Students/Users</li> <li>B. Professors of Esteemed Institutes &amp; Colleges</li> <li>C. Well Known Publication House</li> <li>D. Toppers of College / Universities</li> <li>E. Mentors</li> </ul>
<b>4.</b>	<b>Functional Requirements (At least Eight)</b>	<ul style="list-style-type: none"> <li>i. To provide official &amp; legal links of the website from which user(student ) can download resources &amp; study materials of relevant course</li> <li>ii. Only accessible after registering to that specific website</li> <li>iii. Getting associated with professors of esteemed institutes &amp; colleges</li> <li>iv. To provide interaction between professor &amp; students (users)</li> <li>v. Getting associated with well known publication house so as to students can access soft copy of books published for future use</li> <li>vi. Not all links provided by GOOGLE are relevant. This would provide a better service.</li> <li>vii. Not all links provided by GOOGLE are virus free or recommended to download. This would be a better approach.</li> <li>viii. To implement this time efficient strategic</li> </ul>
<b>5.</b>	<b>Non-functional requirements (At least Four)</b>	<ul style="list-style-type: none"> <li>i. Secure access of confidential data (user’s details). SSL can be used.</li> <li>ii. 24 X 7 availability</li> <li>iii. Better component design to get better performance at peak time</li> <li>iv. Flexible service based architecture will be highly desirable for future extension</li> </ul>
<b>6.</b>	<b>User interface priorities</b>	<ul style="list-style-type: none"> <li>A. Professional look and feel</li> <li>B. Use of AJAX atleast with all registration forms</li> <li>C. Browser testing and support for IE, NN, Mozilla, and Firefox.</li> <li>D. Use of Graphical tool like JASPER to show strategic data to admin</li> <li>E. Reports exportable in .XLS, .PDF or any other</li> </ul>

		desirable format
<b>7.</b>	<b>Team Size</b>	4
<b>8.</b>	<b>Technologies to be used</b>	UML, J2EE, XML, e-Forms, AJAX, Web 2.0, Web-services, SOA
<b>9.</b>	<b>Tools to be Used</b>	<ul style="list-style-type: none"> <li>• ROSE/RSA / WebSphere Modeler</li> <li>• Eclipse/ RAD / Lotus Forms Designer / Portlet Factory</li> <li>• WebSphere Portal/ WAS/ WAS CE / WPS</li> <li>• DB2 Express – ‘C’ or DB2 UDB</li> <li>• Tivoli CDP/TSM / Tivoli Directory Server</li> <li>• Linux will be the preferred OS.</li> </ul>
<b>10.</b>	<b>Final Deliverable must include</b>	<p>A. Online or offline help to above said users, Application deployment executive and developer</p> <p>B. Application archive ( .war/ .ear ) with source code</p> <p>C. Database backup and DDL Script</p> <p>D. Complete Source code</p>