Name of the project :	**MNREGA program administrator**(Mahatma Gandhi *National Rural Employment Guarantee Act*)
Objective /Vision	Implement the MNREGA program for users, managers, administrators and public information. Mahatma Gandhi *National Rural Employment Guarantee Act* (MNREGA/NREGA) is basically this scheme. Further information can be sought on this scheme online
User of the system	Employees only. (Design document for overall application will be a bonus.) 1. general user/labourers. 2. Administrators. 3. Managers. 4. Public reviewers of activities. 5. Accountant
Functional Requirements	Consumers. 1. Registration using government identification. 2. Checking wait time for employment. 3. Employment history by the scheme and the money earned. 4. Other employment opportunities by skills and capabilities. 5. Checking employment history of others that have the same name and address in the local area. This is to ensure that they are not being misrepresented elsewhere. 6. Other poverty alleviation schemes and programmes like health, election registration, etc. 7. Other information like ration cards, ration shops, vocational education etc. 8. Feedback of employers under NREGA. Administrators 1. Detailed history of users, their employment history, payments received, feedback. 2. Checking employment history of others by name and address in the local area. 3. Checking funds disbursal in the local area. 4. Aggregation of feeback of employers under this scheme. Aggregation also by named individuals if so applicable. Managers 1. Access to same functionality as managers. 2. Efficiency of employers. (Positive feeback, number of people employed..) 3. Efficiency of administrators. 4. Input from public feedback and reports to answer queries. Accountant: 1. Release of money to worker accounts. 2. Review of tenders for work across places Public review: 1. Web-based listing of funds usage in specific areas and announced projects.

	2. Complete confidentiality and non-disclosure of users and administrators unless authorized by government.
	3. Ability to submit queries to Managers and receive auto-acknowledgement using numbers which can be followed up in a queue.
Non-Functional Requirements	i. Secure access of confidential data (user's details). SSL can be used.
	ii. 24 X 7 availability
	iii. Better component design to get better performance at peak time
	iv. Flexible service based architecture will be highly desirable for future extension
Optional Features	1. Enhancements / hooks for integration with other state run welfare schemes and information services.
User Interface Priorities	A. Professional look and feel
	B. Use of AJAX atleast with all registration forms
	C. Browser testing and support for IE, NN, Mozila, and Firefox.
	D. Use of Graphical tool like JASPER to show strategic data to admin
	E. Reports exportable in .XLS, .PDF or any other desirable format
Reports	1. Registration confirmations.
	2. Statement of security and privacy.
	3. Print outs for employment history, funds disbursal, etc.
Other Important Issues	1. Simplicity of interface.
	2. Minimal text (only where needed).
	3. Complete separation of access to data based on roles: Consumers, Administrators, Managers and Public Review.
Team Size	2 – 4 members
Technologies to be used	UML, J2EE, XML, e-Forms, AJAX, Web 2.0, Web-services, SOA
Tools to be used	• ROSE/RSA / WebSphere Modeler
	• Eclipse/ RAD / Lotus Forms Designer / Portlet Factory
	• WebSphere Portal/ WAS/ WAS CE / WPS
	• DB2 Express – 'C' or DB2 UDB
	• Tivoli CDP/TSM / Tivoli Directory Server
	Linux will be the preferred OS.
Final deliverables must include	A. Online or offline help to above said users, Application deployment executive and developer
	B. Application archive (.war/.ear) with source code
	C. Database backup and DDL Script
	D. Complete Source code
Documents	